WINTER COMMENCEMENT DECEMBER 22, 1992

UNIVERSITY OF MARYLAND AT COLLEGE PARK

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Commencement

December 22, 1992

PRESIDENT'S MESSAGE TO THE GRADUATES



ongratulations on the successful completion of your studies! On behalf of the University of Maryland at College Park , I thank you for being a part of our community during this important phase of your life. We feel privileged that you chose this university as your academic home.

Members of the Class of '92 have won many prestigious awards and honors. Time and time again, your achievements have brought great credit to College Park. You have made us very proud by your outstanding performance in so many endeavors. Our aim was to provide you with as many opportunities as possible for developing the broad intellectual interests and the special skills you will need to be a productive member of society. We are confident that your college education will prove to be well worth the investment you made, and that you will continue on the path of success that brought you to the milestone in your lives that we celebrate today.

This institution has experienced many changes and has faced many challenges during your years here. We want you to know that we appreciate the support and cooperation you have demonstrated towards our efforts to keep College Park true to its mission of excellence. We hope you will continue to believe in us and our destiny as the flagship campus of the University of

> Maryland System. As you leave the university community to seek wider vistas and fresh challenges, we hope you will not wander too far—at least not in spirit—from your alma mater. We intend to make you as proud of us as we are of you, so please stay in touch.

Good luck and Godspeed to each and every one of you!

WE Kirwan

William E. Kirwan President University of Maryland at College Park

DECEMBER COMMENCEMEN	D	Ε	С	E	М	В	Ε	R	С	0	М	М	Ε	Ν	С	Ε	M	Ε	Ν	
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Tawes Theatre 9:30 a.m.

Presiding

Dr. William E. Kirwan President College Park Campus

Master of Ceremonies Ms. Kate Ufema Department of Theatre

Processional Led by Campus Marshal Dr. Don C. Piper

Musical Selection Sonata from *Die Bankelsangerlieder* Jingle Bells from *Holiday Jazz Suite* Performed by the Capitol Brass

Invocation The Reverend Robert Burdette United Campus Ministry

The National Anthem Led by Dr. Paul Traver

Greetings Dr. Donald N. Langenberg

Chancellor University of Maryland System

Mr. Earle Palmer Brown Member Board of Regents

Address Mr. Norman R. Augustine

Remarks to the Graduates Ms. Susan E. Garrett

Graduating Senior

Senior Class Gift Presentation Mr. Andrew G. Bersinger

Remarks Dr. Kirwan

Conferring of Doctoral, Master's and Bachelor's Degrees Dr. Kirwan

Benediction Reverend Burdette

Alma Mater

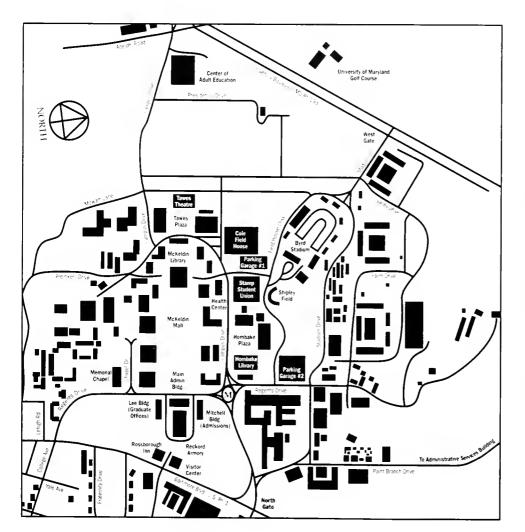
HAIL! ALMA MATER Hail to thee, Maryland! Steadfast in loyalty; For thee, we stand, Love for the Black and Gold Deep in our hearts we hold, Singing thy praise forever, Throughout the land.

Recessional Led by Dr. Piper

ORDER OF COMMENCEMENT December 22, 1992



SCHEDULE OF EVENTS



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ollowing the Commencement, individual graduation exercises for colleges and schools will be held at several campus locations. Ceremonies are scheduled to begin at 11:30 a.m., 12:00

noon, 1:00 p.m. and 2:00 p.m. Guests are urged to be seated approximately one halfhour prior to the designated time for the ceremonies if they wish to observe the student and faculty procession.

Graduates, their families and friends, are cordially invited and encouraged to join with university officials and members of the faculty at the reception to be held in the Grand Ballroom of the Stamp Student Union.

Shuttle bus service is available, providing free transportation across the campus throughout the day.



Campus-Wide Commencement 9:30 a.m. Tawes Theatre

Agriculture and Life Sciences Graduation Ceremony 2:00 p.m. Memorial Chapel

Arts and Humanities Graduation Ceremonies

11:30 a.m. Art/Sociology Building Skinner Building Tawes Recital Hall 12:00 noon Jimenez Hall 1:00 p.m. Tawes Theatre

Behavioral and Social Sciences Graduation Ceremony 11:30 a.m. Cole Student Activities Building

Business and Management Graduation Ceremony 2:00 p.m. Cole Student Activities Building

Computer, Mathematical and Physical Sciences Graduation Ceremony

11:30 a.m. Memorial Chapel

Education Graduation Ceremony

11:30 a.m. Reckord Armory

Engineering Graduation Ceremony 2:00 p.m. Reckord Armory

Health and Human Performance Graduation Ceremony

11:30 a.m. Health and Human Performance Building Room 2101 Journalism Graduation Ceremony 11:30 a.m. Stamp Student Union, Hoff Theater

Library and Information Services Graduation Ceremony 11:30 a.m. Zoology–Psychology Building, Room 1240

THE UNIVERSITY OF MARYLAND AT COLLEGE PARK



THE CAMPUS

College Park, the flagship institution of the university's 11-campus system, is the most comprehensive institution of higher education, research, and service in the State of Maryland. More National Merit and National Achievement Scholars attend College Park than any other public university in the state.

> In fall 1992, undergraduates numbered 23,630 and graduate students 9,228 for a total enrollment of 32,858. This year's College Park operating budget is approximately \$591 million, including financial aid for some 21,639 students.

> Students can choose from more than 117 undergraduate and 84 graduate programs leading to degrees. In 1991–92, the campus awarded 5,484 bachelor's degrees, 1,468 master's degrees, and 506 doctorates.

HISTORY

The University of Maryland was founded in 1807 in Baltimore as a faculty-owned College of Medicine. Five years later, the growing institution was renamed the University of Maryland. The Baltimore College of Dental Surgery, the first dental school in America, became a part of the university in 1840. Later, the university opened schools of pharmacy, law and nursing.

In 1859, the Maryland Agricultural College, which would evolve into the University of Maryland at College Park, was opened in Prince George's County under a charter secured in 1856 by a group of Maryland planters. This institution became one of the nation's original land-grant schools in 1865. After a disastrous fire on the campus in 1912, the state acquired control of the college and rebuilt it.

In 1920, the state legislature joined College Park with the professional schools in Baltimore to form an expanded University of Maryland. These schools were later grouped with the Baltimore County and Eastern Shore campuses and University College.

July 1, 1988, marked the dawn of a new era in higher education in the State of Maryland when a reorganization of the state's public universities and colleges mandated by the Maryland legislature went into effect. As a result, the five campuses comprising the former University of Maryland were merged with six institutions governed by the Maryland Board of Trustees of State Universities and Colleges to form the new University of Maryland System. The law that created the new system designated College Park as the state's flagship institution.

THE LIBRARIES

The libraries at College Park constitute the largest university research library system in the Washington metropolitan area. The seven libraries support over 117 undergraduate and 84 graduate programs, serve more than 32,000 students, 2,500 faculty, and 5,500 staff and provide vital resources to researchers, visiting scholars, businesses, and others throughout the state and region. The libraries' holdings include over 2.1 million volumes, 19,959 subscriptions to periodicals, and more than 4.5 million items available in microfilm format. The College Park Libraries also offer several nationally and internationally recognized special collections such as the International Piano Archives at Maryland, the National Trust for Historic Preservation, and the Katherine Anne Porter literary archive.

RESEARCH FACILITIES

College Park is the home of a variety of exceptional research facilities including a computer vision laboratory; a full-scale low velocity wind tunnel; a 500-liter computer-controlled fermentation system for research in



bioprocess scale-up programs; the Center for Automation Research; and a Neutral Boyancy Facility for simulating weightlessness in deep space. Such major facilities as the Engineering Research Center, the Institute for Systems Research, and the Institutional Reform and the Informal Sector (IRIS) Center conduct research that is especially significant to the state, nation, and the world.

The Engineering Research Center is a major vehicle for extending the technical and research expertise of the University of Maryland to businesses and industries throughout Maryland. The center is both a catalyst for problem-solving and a clearinghouse for technical information resources.

The Institute for Systems Research conducts research in systems engineering, artificial intelligence and computer-aided engineering. Supported by the National Science Foundation and the private sector, the center operates in conjunction with a program at Harvard University and complements a nationally recognized campus program of basic and applied research in computer science. In November 1990, the Institutional Reform and the Informal Sector (IRIS) Center, funded by a five-year, \$8.9 million grant from the U.S. Agency for International Development, was established in the Department of Economics at College Park. The center's aim is to support institutional reforms that will foster competitive markets and democratic processes in Eastern Europe and developing countries.

College Park will be the home of one of the nation's most important research facilities----the 1.7 million square-foot, Second National Archives Building. The facility will house more than half the collection of the National Archives and Records Administration, including some of the nation's most valuable historical documents, among them the complete records of the Department of State and 11 million charts, maps, photos and documents from World War II and the Vietnam War. The building is scheduled for completion by fall 1993.

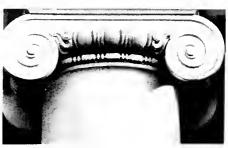
The proximity of the campus to national research institutions such as the National Institutes of Health, the Smithsonian Institution, the USDA Beltsville National Agricultural Research Center and National Agricultural Library, and the Library of Congress ensures that prime research facilities are always available to the university's faculty and students.

UNIVERSITY OF MARYLAND AT COLLEGE PARK ALUMNI ASSOCIATION

Created July 1, 1989, the University of Maryland at College Park Alumni Association is designed to strengthen ties between the university and its graduates and to foster support for the University of Maryland at College Park. All graduating seniors and successful master's and Ph.D. candidates receive a six-month free membership in the association.

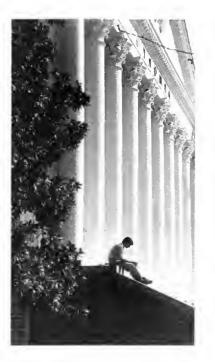
THE GRADUATES

Students graduating today from the University of Maryland at College Park follow in the footsteps of many notable alumni who have distinguished themselves in such fields as science, entertainment, the arts, jour-



nalism, business, law, medicine, and government.

As a graduate student in mathematics at College Park, Herbert A. Hauptman (Ph.D. '54) worked simultaneously at the Naval Research Laboratory to devise a method for mapping three-dimensional structures of molecules. Three decades later he and Jerome Karle, his longtime collaborator at NRL, won the 1985 Nobel Prize in Chemistry for their pioneering research. Dr. Hauptman was awarded an honorary Doctor of Science degree by the university in 1985.



CBS News' Connie Chung ('69) worked on the *Diamondback*, the university's student newspaper, and for WMUC, the campus radio station, during her student years. Another successful journalist who received his collegiate training at College Park is Pulitzer Prize-winning science writer Jon Franklin ('70). Franklin, who won two Pulitzer Prizes for his work as a Baltimore *Evening Sun* reporter, currently heads the journalism program at Oregon State University.

One of the university's most devoted sons is A. James Clark ('50), president of The Clark Construction Group, Inc., the parent corporation of such nationally-recognized general contracting firms as The George Hyman Construction Company and OMNI Construction, Inc. A former member of the university's Board of Regents, in 1983 Clark made a major contribution to the College of Engineering establishing the A. James Clark Chair in Construction Engineering and Management.

Other notable alumni include Carmen Balthrop ('71), a former Metropolitan Opera star and currently associate professor of music at College Park; George V. McGowan ('51), chairman of Baltimore Gas and Electric; Joseph B. Gildenhorn ('51), current U.S. ambassador to Switzerland; Rep. Tom McMillen ('74), Maryland's Fourth District Congressman; Mary Stallings Coleman ('35), the first woman elected to the Supreme Court of Michigan; Fred O'Green ('49), retired chairman of Litton Industries; Len Elmore ('74), Washington, D.C. attorney and CBS sports commentator; Rep. Steny Hoyer ('63), Maryland's Fifth District Congressman; Mathias J. DeVito ('54), chairman of The Rouse Co., and Allen J. Krowe ('54), senior vice president and chief financial officer of Texaco.

ACADEMIC COSTUME

The black caps and gowns worn by the students and faculty in the academic procession have been the traditional costume of scholars since medieval times. They probably represent a kind of ecclesiastical dress, since many of the scholars of that period were members of monastic orders.

Most colleges and universities in the United States have adopted the uniform code for costumes drafted by an intercollegiate commission in 1983. Each of the three academic degrees "bachelor, master and doctor" has its own distinctive gown and hood. The bachelor's gown has a longer, more narrow, closed sleeve extending below the knee; the arm fits through a slit at the elbow. The doctor's gown



has a full, bell-shaped sleeve trimmed with three bars of velvet. The velvet trim on the gown can be black or a color indicating the wearer's general field of learning: for example, green for medicine

or purple for law. A list of department colors follows.

Agriculture/Maize Arts, Letters, Humanities/White Business Administration, Commercial Science/Drab Dentistry/Lilac Economics/Copper Education/Light Blue Engineering/Orange Fine Arts, Architecture/Brown Forestry/Russet Home Economics/Maroon Journalism/Crimson Law/Purple Library Science/Lemon Medicine/Green Music/Pink Nursing/Apricot Oratory, Speech/Silver Grav Pharmacy/Olive Philanthropy/Rose Philosophy/Dark Blue Public Administration, Foreign Service/Peacock Blue Public Health/Salmon Physical Education/Sage Green Science/Golden Yellow Social Work/Citron Theology and Divinity/Scarlet Veterinary Sciences/Gray

The most colorful and distinctive part of the academic costume is the hood extending down the back. The doctor's is the largest of the hoods and the bachelor's is the smallest. The bachelor's hood is often omitted.

Silk lining of various colors in the center of the hood indicates the college or university which conferred the degree. Consistent for all degrees is the cap, or mortar board, which has a tassel of black or another color indicating the field of learning. The tassel of the doctor's cap can be gold.

ACADEMIC DEGREES

A degree is awarded for the successful completion of a course of study. There are more than 1,600 different academic degrees currently conferred by colleges and universities nationwide.

The first known degree was a doctorate bestowed by the University of Bologna, Italy, in the mid-12th century. Originally, the doctor's and master's degrees were used interchangeably, each indicating that the holder was qualified to instruct students. The bachelor's or baccalaureate, degree indicated readiness to enter into a course of study preparatory to the doctorate or mastership. Gradually, though, the bachelor's degree came to mean successful completion of one level of study in advance of the higher degrees.

THE DOCTOR'S DEGREE

The term "doctor," meaning teacher or instructor, originated with the ancient Romans for those who lectured publicly on philosophical topics. During the Middle Ages, it was used as a title of honor for men of great learning. It was first made an academic title at the University of Bologna, which was allowed by the emperor to appoint doctores legum (doctors of laws). The University of Paris followed suit in the year 1145. Soon after, popes granted the universities the right to appoint doctors canonum et decretalium (teachers of the canon law) and, when the study of civil law was combined with that of the canon law, the title was changed to doctor utrusque juris (teacher of both laws). The faculties of theology and medicine followed that of law in conferring this title.

A doctorate is given beyond the baccalaureate degree and requires several years of advanced study, the successful completion of a thesis or dissertation, and written and oral examinations. The doctor's degree represents the most advanced earned degree conferred by American institutions. There are two distinct types: the practitioner's degree and the research degree. The first type represents advanced training for the practice of various professions, principally Doctor of Medicine, Juris Doctor and Doctor of Pharmacy. These degrees carry no implication of original research. The University of Maryland awarded the first two dental degrees in history on March 9, 1841, and invented the name of the degree, Doctor of Dental Surgery (D.D.S.). The second type is a research doctorate representing prolonged periods of advanced study. A dissertation which usually accompanies the study is intended to contribute substantially to existing knowledge on the subject. The most important of these, the Doctor of Philosophy, no longer has an implication of philosophy for its holder, but represents advanced research in any of the major fields of knowledge. It was first awarded in the United States in 1861 by Yale University. The University of Maryland awarded a Ph.D. for the first time in 1920.

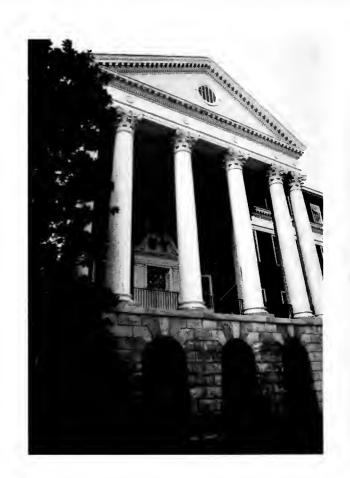


THE MASTER'S DEGREE

The master's degree is an academic honor bestowed upon students who have successfully completed work beyond the baccalaureate. A thesis and an oral examination are usually required. The word magister was used by the Romans as a title of honor, but its present meaning can be traced to the establishment of the oldest universities. Organized faculties as they now exist in universities were not known then; academic activity was limited to seven liberal arts. Those who were honored for their diligence and knowledge upon completion of their studies and who had already received the bachelor's degree were called magistri artium (master of the liberal arts). In 1920, the University of Maryland awarded its first Master of Arts (M.A.) and Master of Science (M.S.) degrees in fields other than agriculture.

THE BACHELOR'S DEGREE

The bachelor's degree represents completion of a four-year course of college-level study and is the oldest academic degree used by American institutions of higher learning. It was first conferred in America in 1642 on the first nine graduates of Harvard College. Maryland Agriculture College, which later became the University of Maryland at College Park, awarded its first Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in 1862.



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Board of Regents

Chair George V. McGowan Vice Chair **Roger Blunt** Secretary Albert N. Whiting Treasurer llona M. Hogan Assistant Secretary Constance M. Unseld Robert L. Walker, ex officio Margaret Alton Mary Arabian Richard O. Berndt Benjamin L. Brown Earle Palmer Brown Charles W. Cole, Jr. Frank A. Gunther, Jr. Ann Hull Henry R. Lord Franklin Perdue Student Regent

Margaret B. Woodhull

System Administration of the University

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Donald N. Langenberg Vice Chancellor for Academic Affairs George L. Marx Vice Chancellor for General Administration Donald L. Myers Vice Chancellor for Advancement John K. Martin

University of Maryland at College Park Administration

President William E. Kirwan Vice President for Academic Affairs and Provost Jacob K. Goldhaber (Acting) Vice President for Administrative Affairs Charles F. Sturtz Vice President for Institutional Advancement Kathryn Costello Vice President for Student Affairs

William L. Thomas, Jr.

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OFFICIALS



School of Architecture Steven Hurtt School of Public Affairs Michael Nacht Administrative Dean for Graduate Studies and Research Timothy Ng (Acting) Administrative Dean for Summer Programs Melvin Bernstein Administrative Dean for Undergraduate Studies Kathryn J. Mohrman

Officers of Commencement

Chair Charles J. Beatty Industrial, Technological and Occupational Education University Marshal Don C. Piper Government and Politics Music John E. Wakefield Director of Bands



Commencement Committee

Alicia Arkell-Kleis Diploma Office Mahnaz Bahrami Institutional Advancement Frances P. Cave Health Center Earle Connors Physical Plant Kathryn Costello Institutional Advancement Carolun A. Ent Institutional Advancement Richelle Hamnett **Disability Support Service** Simone Legacy Industrial, Technological and Occupational Education Nancy Loomis **Dining Services** Linda Martin Institutional Advancement Michael McNair Police Department Gary Parker Intercollegiate Athletics Elizabeth Pattison **Records and Registrations** Cunthia Walker Reed University Book Center James N. Robinson **Environmental Safety** Barri Standish Sanders **Commuter Affairs** Robert T. Stumptt Physical Plant lanice E. Summons Campus Parking Kate Utema Theatre Larry Volz

Police Department Patrick Wadsworth Dining Services

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Diane Barlow Library and Information Services Theresa DiPaolo Arts and Humanities lane Fines Engineering Charles H. Flatter Education Paulette Godin Arts and Humanities Diana lackson Behavioral and Social Sciences Donna King **Business and Management** Albert J. Klavon Life Sciences and Agriculture John C. Loss Architecture loc Murray Health and Human Performance Bonnie Oh Undergraduate Studies Vicky Reinke Library and Information Services Greig Stewart Journalism Thelma M. Williams Computer, Mathematical and **Physical Sciences** Elisse Wright-Briscoe

Public Aftairs

Department of Physical Plant, Office of General Services/Special Services Staff Responsible for Setting Up Sites

Marcellous Anderson Robert Armstrong Ike Banks Leroy Blackwell Earl Blake Mordecai Brower Eric Bullock Tom Farrell Ronald Fenwick Larry Garner lames Green Vincent Haliburton Joseph Hayes Larry Jefferson Marvin Johnson Theresa Mullen Keith Neal Louis Paintedpony Eve Reitz George Saunders Thomas Saunders Johnny Sellers Rayfield Sellers Carolun Shreeve Charles Stubbs Danny Thompson Ronny Yec Elwood Gross, Flower Arrangements C E M

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Whether it be dog-sledding in the Arctic or climbing the corporate ladder to become the current chairman and CEO of Martin Marietta Corporation, Norman R. Augustine is a man of enormous talent, energy and zest for life.

During his 34-year career in aeronautical engineering, Augustine has helped guide advances in U.S. space technology, both in government and private industry. A graduate of Princeton, where he received both his bachelor's degree, magna cum laude, and his master's degree in aeronautical engineering, Augustine began his career in 1958 with the Douglas Aircraft Company. He went on to serve in the Pentagon, as assistant director of defense research and engineering. After working for the LTV Missiles and Space Company, he returned to the government in 1973 as assistant secretary of the Army, becoming under secretary in 1975. He joined Martin Marietta in 1977 and became chairman and CEO of the corporation in 1988 and 1987, respectively, having previously served as president and chief operating officer.

Throughout his career, he has shared his knowledge and expertise by serving on advisory boards to the White House, U.S. Senate, NASA, FAA, and the departments of Defense, Energy, and Transportation, the General Accounting Office, and NATO. He is executive vice president of the Boy Scouts of America and chairman of the American Red Cross. From 1988 to 1990, Augustine served as chairman of the University of Maryland at College Park's School of Public Affairs' Board of Visitors. And in October 1991, he delivered the first lecture of the School of Public Affairs' Distinguished Board of Visitors Lecture Series, speaking on the future of the space program.

A former president of the American Institute of Aeronautics and Astronautics of which he is an Honorary Fellow, Augustine is the recipient of many acclaimed honors and awards, including being named a four-time recipient of the Distinguished Service Medal, the Department of Defense's highest civilian decoration. He has also been elected to the National Academy of Engineering.

He is the author and co-author of two books, *The Defense Revolution* and *Augustine's Laws*, which has been printed in four languages.

In his free time, Augustine enjoys undertaking challenging adventures in exotic places around the globe. Besides dog-sledding in the Arctic, he has sailed a tall ship in the West Indies, traveled the Oregon Trail in a covered wagon, hot-air ballooned in Africa and rafted the Grand Canyon.

NORMAN R. AUGUSTINE



GRADUATE DEGREES August 1992



The August 1992 class roster comprises degree graduates from the undergraduate and graduate programs at the University of Maryland at College Park.

DOCTOR OF PHILOSOPHY

Fawzi-Abdul-Wahab Business and Management Optimal Element Selection for Quantile-Based Control Charts for Location-Scale Alternatives

Alice A. Ackermann Government and Politics Building Peace With the Adversary: The Case of Germany

Quadri A. Adeseun Criminal Justice and Criminology The Impact of Religious Beliefs and Religious Services on Delinquent Behavior

Joanne M. Atlee Computer Science Automated Analysis of Software Requirements

Sema K. Aydede Economics *The Evaluation of Life-Saving Programs*

Taghi Azadarmaki Sociology An Analysis of the Roots of Iba Khaldun's Social Theory: A Case Study in Sociological Meta-Meorizing

John Baffes Agricultural and Resource Economics The Testable Implications of Market Efficiency and Market Integration

Subhayu Bandyopadhyay Economics Export Taxation in a Multi-Country General Equilibrium Framework

Sudeshna Bandyopadhyay Economics Dynamic Models of Union Firm Interaction

Dawn C. Barnes Radio, Television and Film Portraits of Interracial Romance and Sexuality in Hollywood Cinema: 1965–1975

Zeev Berman Electrical Engineering Generalizations and Properties of Multiscale Maxima and Zero Crossings Representations

Hacene Boukari Chemical Physics Adiabatic Effects in a Fluid Near Its Liquid Gas Critical Point: Theory and Experiment

Danielle A. Bussell Psychology Children's Short-Term Response to Parental Separation

Leslie E. Carter Psychology The Effects of Spatial Information Processing on Human Decision-Making

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Tien-Sheng Chang Mechanical Engineering A Method to Increase the Fundamental Natural Frequency of Printed Circuit Board

Gang Chen Mathematics A Nonparametric Approach in Estimating the Incubation Period of AIDS Disease: Bootstrap With Covariates

Ling T. Chen Computer Science Parallel Processing of Image Contours

Joong D. Choi Agricultural Engineering Effect of Intervening Land Use on Runoff Quality

Donna F. Christner Biochemistry Effect of DNA Conformation on DNA Degradation by Antitumor Antibiotics

Alan B. Clardy Agricultural and Extension Education Vocationally Oriented Self-Directed Learning Projects (VOSDLPs): An Exploratory

Study of the Types of VOSDLPs and the Organizational and Individual Factors Affecting Their Occurrence

Jeffrey F. Clark Education Policy, Planning and Administration An Analysis of the Informal Interaction Between Selected Maryland School Board Members and Superintendents of Schools

Katherine A. Comtois Psychology Differences in Women's Friendships Based on Heterosexual Couple Status

Anne B. Curran Education Policy, Planning, and Administration Restructuring: Six High Schools in the Process of Change

Kathy L. Davis Business and Management The Effect of Cognitive Schemata Congruence on Selection Decisions: Applications to the Case of Entrapreneurship

Dinakar S. Desai Animal Sciences Developmental Regulation of Insulin-Like Growth Factor-II in Sheep

Changming Duan Psychology A Comparison Between Cognitive Empathy and Affective Empathy

Ersin Dur Physics Unconstrained BRST Superfield Theories

Dennis G. Dye Geography Global Interannual Variation of Incident Photosynthetically Active Radiation

Lee A. Edwards Psychology

Factors Moderating the Effects of Therapist Confrontation: Therapist Affiliation, Control and Communicated Respect, and Client Sensitivity, Paranoia, Rebelliousness, and Controllingness

Lesley A. Emerson Economics Internal Migration in Algeria 1966–77: An Empirical Analysis

Xinhua Feng Botany Involvement of Cytokinins and Protein Kinases in <u>Nicotiana</u> Genetic Tumorigenesis

Thomas E. Ford Psychology The Role of Attribute Diagnosticity and Epistemic Motivation in the Formation of Social Stereotypes

Wendy Z. Ford Speech Communication

Influence of Employee Attentive Communication Behaviors on Customer Mood States, Service Cognitions, and Discretionary Behaviors: Evaluation of a Structural Equation Model

Theodore C. Fox Botany Energetic and Protein Metabolism in Echinochloa Phyllopogon During Anaerobiosis

Elizabeth J. Francis Curriculum and Instruction The Limit in College Calculus: Assessing Student Understanding and Teacher Beliefs

Jean-Luc Gauvreau Physics Anomalous Ion Heating in the Maryland Spheromak

Nita Ghei Economics Savings Behavior and Financial Development: A Study for India

Gena D. Glickman Education Policy, Planning and Administration A Study of the Role of Women in the Transformation of the Curriculum at the Maryland Institute for the Promotion of Mechanic Arts From 1825-1875

James W. Gray Computer Science Multilevel Security of Probabilistic Systems

Katia S. Guimaraes Computer Science The Quality of Queries

Indrani Gupta Economics Changing Inequalities in Lifetime Earnings William P. Guthrie Government and Politics On the Role of Interest Groups in the Policy Implementation and Evaluation Processes

Gwendolyn F. Hall Policy Studies Managing Interservice Competition: The Relationship Between the Secretary of Defense and the Joint Chiefs of Staff

Maguid H. Hassan Civil Engineering Real-time Safety Control of Structures During Construction

Bonnie C. Hodges Health Education Development of an Instrument to Measure Perceived Risk and Perceived Health Education Needs of Middle School Students

Marie E. Holahan Human Development An Analysis of Parent-Teacher Communication

Barbara E. Hopkins Economics Managerial Investment Decisions During Economic Transition: Bureaucratic Constraints and Budget Constraints

Weixing Hu Government and Politics Medium Nuclear Powers and Strategic Stability: Nth Country Problem Revisited

Bo-Hua Huang Meteorology Numerical Simulation of the Seasonal and Interannual Variability of the Circulation of Tropical Atlantic Ocean

Chiou Huang Computer Science Preconditioning Parallel Multisplittings for Solving Systems of Equations

Yunus Hussain Electrical Engineering Design and Performance Evaluation of a Class of Finite-State Vector Quantizers

David H. Hyde Health Education The National Adolescent School Health Survey: A Secondary Analysis

Gene E. Jan Electrical Engineering Composite Interconnection Networks for Parallel Computers

Ann B. Jenkins Textiles and Consumer Economics Assessing Wear in Nylon Carpets: An Application of Image Analysis

Li-Feng Jiang Physics Search for "Precursor" Physisorption of O2 and CO on the (111) Surface of Nickel: Blockage of Chemisorption by Monolayer Amounts of Neon Jian Jin Psychology Path Analysis of a Causal Model of Depression Versus Competence in a Cross-Cultural Context

Stacy Jordan Economics Judicial Voting Behavior in Antitrust: Is There a Party Bias?

Lance B. Jump Electrical Engineering A Dynamically Reconfigurable, M-SIMD, Modular Ring Architecture for Implementing Large Scale ANNs

Chiung-Tung Kao Computer Science New Algorithms for Geometric Structures: Convex Hulls, Delaunay Triangulations and Voronoi Diagrams

Alexandros Karagrigoriou Mathematical Statistics Asymptotic Efficiency of Model Selection Criteria in Time Series

Shelley A. Kirkpatrick Business and Management The Effects of Leader Charisma Process and Content on Performance and Attitudes

Ravi K. Kolagotla Electrical Engineering Design and Implementation of Systolic Architectures for Vector Quantization

Sridhar Krishnamurthy Electrical Engineering On Designing Data Parallel Algorithms and Some Applications in VLSI

Chun C. Kung Electrical Engineering Inductive Energy Storage Systems and Photoconductive Semiconductor Opening Switch

Kwan-Ling Lai Reliability Engineering Generalized Uncertainty in Structural Rehability Assessment

Bruce C. Lamb Comparative Literature Discursivity, Mimesis, and the Dramatic Author in the Caucasian Chalk Circle. The Merchant of Venice, and Largo Desolato

Rajiv Laroia Electrical Engineering Design and Analysis of a Fixed-Rate Structured Vector Quantizer Derived From Variable-Length Scalar Quantizers

Douglas W. LaBahn Business and Management Early Supplier Involvement in New Product Development. A Vendor's Perspective

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A	11	G	U	S	Т	G	R	A	D	U	A	T	E	D	E	G	R	E	E	S

Li Lee Electrical Engineering Robustness Study of Systems With Phase-Informed Uncertainty

Junhui Li Engineering Materials Elastic Properties and Microstructures of Premartensitic FCC Alloys

Ta-Hsin Li Applied Mathematics Multiple Frequency Estimation in Mixed-Spectrum Time Series by Parametric Filtering

Owen R. Lightsey, Jr. Counseling and Personnel Services Cognitions as Trait-like Vulnerability Factors: The Viability of "Trait" Positive and Negative Thoughts as Predictors of Future

Ming-Bo Lin Electrical Engineering Unified Algebraic Computations on Permutation Networks

Dehua Liu Horticulture Physical and Biochemical Studies of Dormancy in Apple Buds

Yadong Liu Physics Automatic Speech Recognition and Neural Network Classifiers

Mark A. Melton Zoology Acetylcholine Receptor Aggregation in Anenral Myotube Cultures: The Role of Neuronal Factors and a Model for Local Induction

Bahram Meyssami Chemical Engineering A Systems Approach to the Automation of Process Modeling Activities

Carolyn A. Miller Marine, Estuarine and Environmental Sciences Effects of Food Quality and Quantity on Nitrogen Excretion by the Copepod <u>Acartia</u> tonsa

Cherie V. Miller Chemistry Sedimentary Molybdenum-An Historical Indicator of Anoxia in Chesapeake Bay

John P. Miller Kinesiology The Effect of Resistive Exercise on Glucose Uptake and Insulin Sensitivity in Middle Aged Men

Samer Minkara Electrical Engineering Microelectronic Realization of Logic Functions Using Solitons

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Robert L. Moore, Jr. American Studies A Cultural Analysis of the Life Stories of Some Women Who Began Teaching in American Public Schools 1916-1938

P. J. Narayanan Computer Science Effective Use of SIMD Machines for Image Analysis

Leo P. O'Hare Aerospace Engineering Maneuvering of a Reentry Vehicle Via Magnetoaerodynamic Forces

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Marilyn J. Olson Curriculum and Instruction Prospective Teachers' Familiarity With Instructional Activities Recommended for Elementary School Geography

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Marion E. Orr Government and Politics Black Political Incorporation-Phase Two: The Cases of Baltimore and Detroit

Kyeongsoon Park Engineering Materials Structural Studies of Diluted Magnetic Semiconductors and Ferroelectric Relaxors Using TEM

Sechoul Park Business and Management Insider Trading Activity Surrounding Corporate Earnings Announcements

Seong R. Park Mechanical Engineering An Experimental Study of Passive Drag Reduction in a Turbulent Boundary Layer by a Riblet Surface

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Clemmie M. Saxton Human Nutrition and Food Systems The Design and Field Testing of an Organizational Productivity Measurement and Improvement Model in School Foodservice

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Edward C. Smith Aerospace Engineering Aeroelastic Response and Aeromechanical Stability of Helicopters With Elastically Coupled Composite Blades

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Hong-Te Su Chemical Engineering Dynamic Modeling and Model Predictive Control Using Generalized Perception Networks

Shong-Iee I. Su Business and Management The General Postman Problem: Models and Algorithms

Granger G. Sutton III Computer Science Learning and Topographic Map Formation in Neural Networks Using Competitive Activation Mechanisms

Maria Testa Mathematics The Analytical Index of Families of Unbounded Linear Fredholm Operators Determines Bifurcation for Families of Nonlinear Operators

Katerina M. Thompson Zoology Reproductive Competition, Birth Synchrony and Behavioral Development in the Sable Antelope, <u>Hippotragus Niger</u>

Jianhui Tian Computer Science Understanding and Using Program Complexity to Improve Software Development

Α	U	G	u	S	Т	G	R	Α	D	U	Α	Т	Ε	D	E	G	R	E	E	S

Nam-Kiu Tsing Electrical Engineering Computer Based Techniques for Control System Design With Applications to Rotorcraft Control

Aviezer M. Tucker Philosophy The Philosophy of Charter 77 Signatories

Alan R. Van Tassel Government and Politics The Rail Garrison Peacekeeper ICBM: A Case Study in Governmental Politics

Filia Vonta Mathematical Statistics Efficient Estimation of a Structural Parameter in a Non-Proportional Hazards Model in the Two-Sample Problem

Liqin Wang Engineering Materials High-Temperature Deformation and Strengthening Mechanisms of TiB2/NiAl Composites

Shiuh-Luen Wang Electrical Engineering Physics-Based Modeling of Hot-Electron Effects in Mosfets

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Rui Yang Electrical Engineering Nonholonomic Geometry, Mechanics and Control Sheguang Zhang Mechanical Engineering Numerical Simulations of the Interaction of a Vapor Cavity and a Compliant Wall

Haiying Zhao Economics The Impact of Economic Structure on Long-Term Growth

DOCTOR OF EDUCATION

Maria Bonilla-Crespo Industrial, Technological and Occupational Education Perceptions About the Importance of Keyboarding Skills for College Computer Science and Business Majors at Inter-American University of Puerto Rico

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John Williams Education Policy, Planning and Administration Factors Associated With Fund Raising Success at UNCF Institutions

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Chinn-Horng N. Chen Music The Development of String Education in Taiwan



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American Studies Ellen Roney Hughes Michael Gregory Richards

Applied Mathematics Ariyawansa Perera Illeperuma Ramgopal Nair

Art History Lois Anne Berdaus

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Angela White Harker

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and Literature

Kathleen Marie Anguish Jennifer Louise Bacon Karen Lynn Nelson

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Lara Prihodko Jay Howard Varner

German Language and Literature

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Government and Politics

Cameron Fae Bushnell Jennifer A. McDermott

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Maria Eulalia Fernandez

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Rexine Annette Hoes Kathleen Marie Kelly Rita Ana Solorzano

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Pamela Doreen Cannady Crystal Faith Williams

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Setsuko Yamashita

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S. Andrew Stavisky Nadine Susan Taylor-Tolbert

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Robert M. Kirchner

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Karen E. Trageser

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Ting Hsiang Lin

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Roberta Anne Diemer Kathryn Arlene Niles-Jolly Dominicus Wai-Hung So

Radio, Television and Film

Pamala Suzette Deane Thomas Mark Franklin Yun-Ju Tai

Recreation

Darilyn Erica Marinelli Nina Suzanne Roberts

Sociology

Sheela Singh

Urban Studies

Xiao Zhang

MASTER OF BUSINESS ADMINISTRATION

Stephen Linder Alred Jav Balakirsky George John Basil III Faith Chana Berenson Ronald Wayne Blevins Douglas Edward Brown Eric Dean Carter Richard Thornton Cartwright Robert Melville Cowan Robert Enders Coyle Peter Ryan Culpepper Clifford James Cummins Frank Ettore D'Ambrosio Mahesh Pramod Desai James F. Figlozzi John Nicholas Gallagher David Charles Gore Christopher Gratton Grant Z. Guenzel Theresia M. Heller Iennifer Laires Hilterbrick Sally Hass Hirsh James Hsien-Tsung Hsu Edward Michael Ihnat Shaunak Bhagvant Kapadia Karen S. Kinder Robert R. Klein Diana Mary Liebscher Bradley David Loper Darlene I. Marley Melissa K. Maruschak Robert Withers Massie IV Suzanne Sawyer Masterson Patricia E. Monroe Fernando Mario Montenegro Stuart Colt Moore

Davis Octan James Frederick Pasto James M. Poyer Monte Jay Rosenberger Richard M. Schindel Gregory John Schmidt Nancy Ellen Sites Mervl Avnn Sonon Tomoko Ishikawa Tanaka Deborah Davis Thornton Gregg Phillip Trilling Edmundo Vallenas Ronald Louis Vasaturo David Andrew Vogel Steven Alan Wenick George K. White Dean Patrick Wildman Douglas L. Wolford Kawika Mikaele Ka'imikukui Daguio Gail Paula Guv Kristen Ann Mosteller

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Counseling and Personnel Service

Doreen Ann Casey Margaret Mary Cullinan Joseph John Debevc Lisa Ann Kroner Laurie Ann McCoy-Assalone Eloise Christine Miller Ronyl Denise Minor Anna Maria O'Shea-Smith Jennifer Barbara Pinter Walter Plotkin Vickie L. Price Heather A. Stein Gaudencio Viloria

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Barbara Cooksey Abell Anita Lynne Albertson

Naimeh Asrar Ann Margaret Becker Barbara Fainstein Bell Patricia Lee Berard Nancy F. Burket Gale Denise D'Ambrosio Carter Diane Marie Cole Donald Joseph DeMember Marta S. Duarte Ioanne H. Durham Michelle DeEtte Games Daisy May Hardenstine Eileen Dripchak Harris Mary Barron Head Jonathan Crist Kieffer Kathleen Anne Kilday Elizabeth lane Kremer Kathleen M. Larson Margaret Faith Luther Melanie E. Masso Linda P. Metheny Zannie Eldridge Miller Caren Louise Milliken Mary-Margaret Morton Carol Virginia Mulligan Wendy Barth O'Brien Anita Elaine Prince Angelique Prunella Mary Margaret Reed Bryan Alexander Reilly David Robert Reynolds Amy Jane Rosenberg Kivoe Saeki Juliette M. Salomon Jennifer Ruan Schaeffer Lisa Ann Singer Susan Shirk Stern Kimberly Dawn Summers Florence Johnson Tate Jo-Ellen Margaret Truelove Mary Deborah Phillips Wagner Winsome Patricia Waite Tom Gene Wells Nadine C. Wersing Deborah Wrae Zalesak

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Kimberly Anne Hill Michael Joseph Martirano Helen Francis Mateosky Peggy Ellen Mertes Kathryn Marie Miluski Elaine Ruth Reynolds Patricia Marie Simpson

Human Development Education

Susan M. Boyd Susan Lea Hall Constantina Pauline Monsul

Industrial, Technological and Occupational Education

Allyn Michelle Fitzgerald

Special Education

Eleanora Yewell Buchheister Lori Luebkert Callahan Yu-Chen Chen Anne Davis Dillon Robert F. Farrell, Jr. David LeRoy Frederick Ronald Dale Lane Katrina Marie Marshall Susan Amelia Norfleet Eric L. Reiser

MASTER OF FINE ARTS

Creative Writing

Marc Ambrose Hirrel

MASTER OF LIBRARY SCIENCE

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Lola Frances Adams Polley Anne Adams Phoebe Edwards Bacon Valerie Gordon Boyd J. Cassidy Chesnut, Jr. Denise Frances Eggers Nina Sue Fave Nicodemus Benanzea Fontem Paul Harding Gerhardt Barbara Ruth Gibnev Mary Anne Greenwell-Plautz Alan Steven Hecht Christopher William Herrmann Julie Rae Huddleston Anne Marie Hudson Ann Barron Johnson James Russell Kirchner Gladys Maxine Knight Roberta Cole Lader Everette Eugene Larson Xian Li Katherine Elise Lyle lov A. McIntvre Robin Lee Meckley Nancy Marie Nyland Erin Elizabeth Oberdorfer Sarah B. Palmer Young Hee J. Park Laurence Carl Patlen Deborah Jean Peetz

Marie Tritchel Petersen Anne Tannahill Phillips Katherine Margaret Plumb Kathleen Fuflerton Powers Rachel Ann Schipper Elizabeth Ann Simmons Eileen Mullings Smith Gregory Frederick Taylor Lisa Baumann Wieman Thea Caroline Wiggert Yuezu Yu

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Kawika Mikaele Ka'imikukui Daguio Gail Paula Guy Kristen Ann Mosteller

MASTER OF PUBLIC POLICY

Patricia Eileen Crosby Rudy Carlos Iglesias Tony Knotts Yasutoshi Nishimura

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MASTER OF SCIENCE

Aerospace Engineering

Ashish Bagai Robert Tilghman Bupp Kevin Leath Eric Samuel Lester, Jr. Daniel Ira Newman Chris J. Niggemeier Pierre-Yves Ouillet Jodi A. Smith Nicholas G. Stamatakos Reginald Guy Williams

Agricultural and Extension Education

Michael Francis Banscher Maria Cristina Oliveira Veloso

Agronomy

James William Lewis, Jr.

Animal Sciences

Douglas Leigh Greger Damon A. Job

Business and Management

Joy Elaine Ditto Juiling Hu Robert Michael Misita, Jr. Roberto Jose Moraga Sandra Lee Rose Li Wang Shenghui Wu

Chemical Engineering

Hervé Michel Brebion Nicola Di Mascolo Ricardo H. Dunia

Civil Engineering

Myrofora Anastasi Simone Bambini Paul David Beckwith Pi-Jung Chang Ming-Ying Chen Kenneth Edward Derrenbacher Paul Martin Doolittle Roger William Harte Satit Kitsurachai Satgur Singh Klar Win-Gine Li Yu-Chi Lin Vinasithamby Ragavan Kenneth Raymer Roberts Timothy David Sheckler Inderbir Singh Linden E. Walters

Computer Science

Predrag Bogdanovich Klaudia Maria Dussa-Zieger Tina Lorree Newsome Michael Jonathan Otterman

Electrical Engineering

Savitha Balakrishnan Shiraz N. Bhalwani Stefano Paolo Coraluppi Mark Edward DeSilets Laurence Perry Golob Geoffrey Glenn Hazel Bradley M. Marazas Daryl James Marvin **Devaloy** Muniz Chandrasekhar Nagasundaram Srinivas Nagulapalli Sayed Mohammed Naved Udayshankar V. Satyanarayana Ranjeev Kumar Singh K.P. Sunil Jason Cheng-Lun Tsai

Engineering Materials Robert John Gettings Aashish S. Nanavaty

Family and Community Development

Dixey Ray Behnken Gladys Wilhelmina Considine Thomas Russel Hoover Karin Elisabeth Malm William Francis Northey, Jr.

Food Science Maria M. Wallack

Human Nutrition and Food Systems

Catherine Jean Klein Kathleen Ann Ruben Katherine Elizabeth Sykes

Marine, Estuarine and Environmental Sciences

Richard Robert Arnold II Katrin Rose Bockstahler Kimberly Morgan Fluetsch William Ahlering Kuhn

Mechanical Engineering

Jie Chen Xiaoyuan Dong Zelalem Eshete Yu-Lung Lo Srinivas N. Mogalapalli Gerhard Wolfgang Johann Reich Robert Joseph Rose, Jr.

Meteorology

Joseph John Charney, Jr. Joanna Miller Dionne Vinod Kumar Dubey Christopher Allen Frye Frank Woolsey Gallagher III Jeffrey Matthew Vukovich

Microbioloy

Mohammad K. Ahmad

Physics

Robert Lahmann Christopher John Lanczycki Christina Mae Shater Douglas Howard Williams

Poultry Science

Michael Douglas Kreger

Reliability Engineering Farzaneh M. Tafreshi Systems Engineering

Timothy Irwin McDougall

Textiles and Consumer Economics Anita Marie Mitchell

Susan Downs Reed

Zoology

Ruth Lucille Roberts Joy Ann Williams



UNDERGRADUATE DEGREES August 1992



COLLEGE OF AGRICULTURE

Bachelor of Science

Agricultural and Resource Economics

Christopher Lee Banko Avadesh Kumar Gulati Cedric Maurice Lane James Stanley Nastek Deepa Patel Edward Jan-Ping Pei Richard Lawrence Peterman Christopher Paul Robichaud Amelia Jan Svrjcek Luis Ramon Vallecillo Terita Louise Walker

Animal Sciences

Stephen Kenneth Crawford

Natural Resources Management Michele Suzanne Dickey* James Brian Messina

SCHOOL OF ARCHITECTURE

Bachelor of Science

Alireza Honarkar In-Sook Elizabeth Kang Mark Howard Lichter Luan-Van Cong Nguyen John William Wright

COLLEGE OF ARTS AND HUMANITIES

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Advertising Design

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American Studies

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East Asian Languages and Literature

Kara Lenore Williamst

English Language and Literature

Jeffrey Mark Aug Sharon Marie Boeckle Roberta Lynn Bowersox Aaron Lee Breckstein Ashley Louisa Brown Debra Lynn Brown* Toya M. Burhanan Renee Elvse Burstiner Deron Cornell Burton§ 2nd Degree: Aerospace Engineering Elizabeth Clare Caruso Kathleen Mary Caulfield Kelly May Causeyt Jenny Chih-Wan Chi 2nd Major: Economics Jill Marie Conaway Hollie D'Amico Mary Diane Duffy Robert Christopher Ekstrand§ Marianne Elizabeth Forbes Andrew J. Freedman Eleni Dimitrios Giakoumakis George R. Goff Marybeth Grant

Michael Grady Hathcock Cristin Chandra Hickey Georgia Rae Hughes Megan E. Hunter Patrick Jesse Hurston Cynthia L. King Mary E. Knox Kimberly Lane Kridler Sherry Ann Lau§ Raymond Lin Christine Marie Loomis John Richard Markham Alison Irene Natter Theresa L. Neagle Sharon Marie O'Donnell Ernest Steven Palmer, Jr. Leslie A. Purket Adam C. Ramsey Brian John Scott Suzanne Louise Seaman Lisa L. Sedgwick Corey Douglas Singman Hope B. Slaybaugh 2nd Major: Linguistics Kajana Reneé Stephens Maryanna Laura Taglienti Wolfgang Willard von Maack Tanya Montique Washington Sandra Woodlock Karin Johanna Zweerink

Frank Christopher Harrison

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French Language and Literature Isabelle Stamper

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and Literature Roland Michael Guegel Carol Suzanne McCabe

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Music

Douglas Scot McNelly

Philosophy

Kenneth David Beer Michael Philip Cruz

Radio, Television and Film

Sora Ahn Alexandra Bello David L. Benjamin Karen Ross Blanks Froilan Jacob Cuesta David Wixom Dickerson, Jr. Erin Kathleen Dillon Theodore Dennison Doyle III Maria I. Femia Leslie Minnette Furr Dale Green Nancy Grupe Glenn Allyn Karpel David John Montoya Sarah Catherine Muldoon Timothy Darren Paul Jennifer Kathleen Pride Aaron Sasson Gregory John Schmigel Lowell B. Supran Karen Lee Wells

Romance Languages

Amanda Brooke Hamlin Rhonda Lynn Newton†

Spanish Language and Literature

Christina Rosalinda Crussiah Katherine R. Free Olga Carolina Godoy Aida Mercedes Sabato Laura Lynn Solomon Cynthia Arlene Sturtevant† Karen Leah Tadmor

Speech Communication

Wendy S. Amato Sharon Michelle Chudd Andrew R. Dovel Joanne Marie Edwards-Seem Marni Lee Fields Frederick Craig Goldberg Christopher Jay Keller Kimberly Ann LaRose Mindi R. Lurman* Christine Ann Macko Nicole Irene Naida Akoth Odoy-Sule Renee Kelli Ray David Scott Rosengarden Debra Ann Sanguiliano Joseph E. Strickland Andrew Jon Tuckman Robert W. Williams III Renee Antoinette Wright Neil Joseph Zuckerman

Theatre

Tara Beth Conolly Steven Trevor Pelekakis



§ Summa cum Laude † Magna cum Laude * cum Laude

Bachelor of Music

Music

Patricia Ann Cossentino

Bachelor of Science

Advertising Design

Alain Delille Blunt Deborah A. Cecco Meredith Jill Feldman Louis Christopher Geiger Angela Christine Johnson Emery Todd Kiraly Kimberly Dawn Pollock* Michelle Lynn Robert Kenneth Jay Toro Tule Truong• Melissa Lynn Turner Cynthia Louise Vogan

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

Bachelor of Arts

Afro-American Studies

Tracy Alfreda Suber

Anthropology

Paula Jean Lewis Steven Bruce MacLean Doris May Yochum*

Criminal Justice

Daniel Scott Bailey David Patterson Bell Michael Ryan Blancke Kimberly Ann Brose Gregory Charles Brown Grover Green Cantwell III George Geogy Cherian David Jeffery Clearwater Melissa Anne Compton Walter John Coulther Stephen Malcolm Cromwell Joseph Vincent Dagen Gina Renee D'Onofrio Patrick J. Fouty Louis John Frankes John Francis Friel III Jonathan Todd Gillis Gregory A. Hines Domingo Alejandro Isasi Timothy Villy Jun Chong Chin Kim John Marvin Laughton Derrick Raymond Lewis Wilfredo Emmanuel Manlapaz Timothy Daniel O'Leary Brian Michael Ott Elizabeth Ann Proctor Paige H. Richman Herbert Lee Rubin Emmett Jerrald Scott+ John Patrick Shoemaker Arnoldo Soto Stephen Sam Tom Alovsius Joseph Venit, Jr. Michael Wayne Wagner Eric Michael Wallberg Michael Alan Wear Leslie Denise West Scott Richard Williamson Adam Corey Wolfson Brian Patrick Woolfolk Abraham Zuares

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James G. Aronow Kevin Alfred Baker Robert Creighton Booth Daniel Bruce Carson Dean Hsueh Chen Douglas Mitchell Cornell Pradeep Kumar Dadlani Scott Stuart Greenspan Yoav Helman Christopher Thomas Joe Jeffrey David Johnson Denise Marie Kiliany Byoung Gon Lee Chris J. Levantis Oinghua Liu Matthew David Lovell David T. Mantica John Reynold Maratta Kevin Edward McManus Brian Mark McNult Steven Dennis Moore Hideki Nagata Ziv Ohel Samir Albert Raby Jeffrey David Santos Steven Craig Taylor Matthew John Trant Robert Gerald Unkle Anthony Thomas Whitson Jeffery Scott Witte Scott S. Yun

Government and Politics

John Joseph Aguirre Mario Neil Credo Almonte Dax Fausto Alvarez Mark Edward Arden Todd A. Armstrong Curwin M. Ash Kenneth Craig Ayres Jose Eduardo Baigorria Ann Katherine Beegle Donald Kenneth Bice Matya Kryszpel Block* Luisa Bonilla Chris Deanne Boyd 2nd Degree: Accounting Kevin Joseph Brady Jill Natasha Brooks Stephanie Anne Bull Sophia Christina Castro David S.H. Chao Hong Suk Chung Mark Evan Cramer Christopher S. Dade T. Christopher D'Avico Erica Marie Davis Catherine Jane Eaton Dovle Russell Allen Ege Abayomi Adewunmi Fashina Ronald Joseph Forline Edward Scott Frank David Walter Fricke, Ir. Todd Stuart Garey Joseph Harrison Gillette 2nd Major: History Daniel Scott Goldsmith Paul Arthur Goodwin Damen Roethke Hauswald Kenneth Charles Herzog Kym Elizabeth Howarth Vernon Keith Hutchison Maria A. lalacci Joseph Tige Kettish Margaret Louise Kircher Lori Elizabeth Kline* Elizabeth C. Krauss Caroline Clare Leakan Lawrence Aaron Leikin

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Heather Lynn Levin

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Crystal Diane Loomis

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Debra Jill Axler Bryan James Baird

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Jeffrey H. Barton Ionathan Stuart Batten Andrew Nicholas Bihun Iill Ann Colton Maria Helena Corvette John Joseph Coughlin III Kim DeRosa Mark Warren Edelstein Fanny Guadalupe Espinoza David William Gilbert Sharon Gacho Hobson Yvonne Yifang Hu **Tonya Fave Humes** Patrick Leonard Jeter Jamee Dawn Kriegstein Michael Stuart Leibow Andrew Todd Liebowitz Rebecca Middleton Ljungquist Kwang Heng Gregory Nah Scott Rvan Olson Jonathan David Polanin† 2nd Major: Government and Politics Marlaina Fave Rosenthal Lori Robin Schelling Bryan Scott Sillaman* Andrew Michael Sopher Scott Michael Walsh Tanya Nicole zur Nedden

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Colleen Marie Brett Jennifer Kristina Brous Scott Douglas Devore Carolyn Denise Eddy Colleen M. Grimes David Brian Grimes Noah David Karchmer Sheri Lynn Khanna Shizuka Nagata† Maureen Marie Pacanowski Andrew Thomas Paradise 2nd Degree: General Business and Management Mark Charles Polk Bernardo Alban Serrano, Ir. Madeline Carol Smircina Wendy Ann Weiler Adam Scott Weinstein

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Geography

Collin James Baber Matthew John Campbell Emily A. Krasevic Virginia Jean Kupperian James Edward Lynch J. Mukherjee Steven Durin Williams

Psychology

Daryl Stuart Bartow Jodi Alise Dindas Cheryl Lynne Feldman Joan Ryan Hosty Glenn Michael Norwicke Douglas Scott Weston

COLLEGE OF BUSINESS AND MANAGEMENT

Bachelor of Science

Accounting

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Mark David Tash Deborah Ellen Virgil Jian Wen Cara Helen West Joseph R. White Hyo Cha Yang Lisa Christine Zeller

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Robert Hayden Avellini Karen Ann Brophy Reneé Nancy Chait Marc Eric Harris Timothy Christopher Hazelrig 2nd Degree: Art Studio Todd Vinton Howard* Christopher Bryan Lee LeAnn Marie Lyons William Rudd McDonald Andrew Thomas Paradise 2nd Degree: Sociology Chanin L. Sharpless 2nd Major: Transportation

Human Resource Management

Anne Lark Bart Sandra Jean Blackburn Edward S. Kang Christina Marie Riegel Jeffrey Lawrence Shafritz Meena Taneja* Mohammed Aalishaan Zaidi

Management Science and Statistics

Felicia Ode Afoakwah Sae Jin Kim Servando Lopez 2nd Major: Finance Brian H. Olsen

Marketing

George Assimakopoulos Deanna Neal Belliveau Lisa Michelle Connatser Susan Emerson Daye 2nd Major: Finance Edward R. Giddings Tunde Gondan Peter James Gouvis April Michele Hughes William Andrew Johnston III Andrew Frank Jose Marc David Kantrowitz Yvette Kathryn Kemerer Julie Ann Kraus Timothy David Law Christie Ann Murphy 2nd Major: Radio, Television and Film Sharon Teresa Newman 2nd Major: Transportation Lien-Anh Gia Hoang Nguyen Teresa Myra Parise

Transportation

Brian David Bailey Dianne Marie Bors 2nd Major: General Business and Management John A. Deosaran 2nd Major: Marketing Nelson David Gomez Chieko Matsumoto

COLLEGE OF COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES

Bachelor of Science

Computer Science

James Aspinwall Christopher Keith Braganza Eric W. Bull Bishwajeet Chatterjee Lai Chun Cho Thomas Jeffrey Clark James Albert Markwood da Silva Russell Andrew Fink Kenneth Sze Hong Thanh T. N. Le Thomas G. Magorka David Victor Moy Jefferson Hugh Ogata Lisa Sharon Spicknall† Carolyn Amelia Rast Stanoyevitch Robert Edward Tewey Javier Armando Thamez Landaeta Michael Paul Van Wie Jerome Paul Wieber Joel C. Wilson Pei-Yu Yang*

Geology

Clinton Alfred Sandford 2nd Degree: Science Education Amanda Louise Sigillito

Mathematics

Valleri Lynn Boyd Lynn Chyong Chen Fawzi Philip Emad Deborah Marie Fugazzi Gervasio Gómezt 2nd Degree: Physics Susan Christine Hoffman Drew Richards Kistler Jiun H. Lai Pauline M. Moy Maria Bernadette Neal Sharon Rivas O'Rourke Hillary Sara Shein Sanjeev Poornachandra Shuklat Kara Yvette Speights David John Urevick Zhihao Zhang

Physical Sciences

David Allen Bonner Gregory M. Buley Michael Eric Dudley Douglas Hugh Engel Stephanie Lynn Fauver James John Matera

Physics

Gervasio Gómez† 2nd Degree: Mathematics Wanda Elena Savarese Amy Elizabeth Skowronek

COLLEGE OF EDUCATION

Bachelor of Arts

English Education Michelle Coulon Dwight Anthony Onley

Foreign Language Education

Melissa Ann Long Gail Michelle Sirota* Monica Cheryl Womble

Social Studies Education

Linda Beth Bernard Victoria Creveling Mariano

Bachelor of Science

Business Education

Ina Reva Bennett Sallye Gaye McSwain Stacy Elaine Warf

Early Childhood Education Pei-Pei Anita Chen

Pei-Pei Anita Chen

Elementary Education

Leesa Marie Brown Anna Julia Fitzgerald Denise Anna Gielner Kristen Leslie Knowles Mary Teresa Veirs

Home Economics Education

Linda Susan Neudorfer

Industrial Technology

Abrar Ahmad Ansari Rafael Enrique López Audi N. Lucas Aaron Joseph Peterson Michael B. Ranti William Karl Woodward

Mathematics Education

Derrick Lennell Burton Martha Dene Keely 2nd Degree: Electrical Engineering

Music Education

Joanna Starr Caldwell William Alexander Lanxner

Science Education

Leslie Ann Bernstein Susan Michelle Cizek Kathryn M. Gargurevich Clinton Alfred Sandford 2nd Degree: Geology Michelle Ann Smetanick

Social Studies Education

Sima Berrin William Charles Pechnik, Jr. Maria Louise Trementozzi

COLLEGE OF ENGINEERING

Bachelor of Science

Aerospace Engineering

Deron Cornell Burton§ 2nd Degree: English Leroy Hartzell Hewitt, Jr. Denise Mirabal Patricia Lynn Youngmann

Chemical Engineering

Arrey M. Ashu Michael Larry Miller*

Civil Engineering

Antonio DiStefano Gregory Bryan Fick Joyce Stacey Hart Julia K. Kopp Jeffrey Leroy Norman Todd Jamie Parsont Randall Hall Riesner David J. Shishkoff

Electrical Engineering

Rajeev Batra Darryl Earl Clemons Rachel Joy Craver Joseph Stransky DeCamp Jacques Antonio Freeman Steven Thomas Guttag Maad Majeed Hameed Sofiene Jegham Martha Dene Keely 2nd Degree: Mathematics Education Kenneth James McCaughey John R. Morrist Tu Huu Nguyen Jonorman Cruz Padilla Nachiappan Periyanan Harold Luco Pierre Victoria Lynn Specht§ Cuong Chi Thach Mark David Williams

Fire Protection Engineering

Sylvain Joseph Pierre Carriere Donald Leland Mock Gaetan G. Morinville

Mechanical Engineering

Konrad Oskar Bergandy Chak K. Chan Xun Lucy Chen Andres Cruzat Michael Jonathon Dellapa III Kathryn Jolene Gaulke Craig E. Hampson* Laura Holly Knox David Wesley Kreiling Philip Lebris Maynard Henry Carlos McNeace Noel Erasmo Leonardo Monardes Robert F. Revay Laura E. Sheffield* Douglas Michael Skorupski Richard Li-Ming Su Binh Viet Vo

Undesignated Engineering

David Brian Anderson Scott Andrew Wingate

COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Bachelor of Science

Health Education

Mayumi N. Gottlieb

Kinesiological Sciences

Ronald Phillip Biffel Michelle Lee Fay David A. Hart Tyson Thomas Swigart David Michael White

Physical Education

Robert Charles Rohan

Recreation

William Michael Butkiewicz Michael George Hopson Kenneth Carl Panassidi Rita Louise Paoletti Gary Kalil Rohanna Arthur Daniel Sculco Christopher Michael Smith Darren T. Sussman Kathryn A. Yozzo

COLLEGE OF HUMAN ECOLOGY

Bachelor of Science

Consumer Economics

Michael William Bartelt Bret B. Boehly Hallie Ann Bonnell-Thompson Christian Joseph Calure Rachel Anne Glynn Irene Catherine Jenkins Amy Beth Kuessner Michael Thomas Reilly John E. Zeaser III

Family Studies

Melinda Sue Baden Nicole Paige Fox Jonathan M. Gustave Ilysse J. Kezsbom† Steven D. Mandelbaum Michele Ann Mauchamer Nicole Jennifer Richman Bari Lauren Schwartz Elizabeth Mary Shanley Katharine Paige Sterne-Pendleton

Management and Consumer Studies

Joanna Liberty Aguinaldo Charlene Marie Graham Catherine Mary Hammer Kathleen Anne McGinn Kathleen Koren Mould Walter A. Williams

Textile Marketing/Fashion Merchandising

Jacqueline Michelle Broadus Sang Kweon Cho Wendy Anne Cornish Emily A. Fernandez Raquel Janine Harris Jennifer Louise Holmest Dawn Marie Updike Diane Lynn Weiss* Kristen Lynn Wychulis

COLLEGE OF JOURNALISM

Bachelor of Arts

Stanislas F. Berteloot Kimberly Anne Cooper Rachel Louise Klebe Desiderio Jesus Rimon Jennifer Anne Smith Thomas Spencer Threlkeld

Bachelor of Science

Eric Andrew Boroff* Scott Raymond Bourland Edward Kai Chang 2nd Major: East Asian Languages and Literature Pamela Jean Folz Eugene Daniel Harrington Michael Terrence Padian Karen Lynn Quintiere

COLLEGE OF LIFE SCIENCES

Bachelor of Science

Biochemistry Jerry Alan Rossignuolo Ernest Olester Washington, Jr.

Chemistry

Emiliano Gómez§

General Biological Sciences

Roberta Bliss Albert Stephen William Chong Elizabeth Ann Daly David Michael Garvin Hui-Chuan R. Hsieh Eloyd James Liane Marie-Yolande Langbehn Srikanth Mahavadi Lisa Ann Meshbesher Marcus Bernard Rindal John David Ritter Kelley Marie Roche Janet Marie Rumble Christopher George Stephenson Laura Anne Trapp*

Microbiology

Wai Man Chan Sung H. Cho Kyle Elizabeth Cowan Juan Jose Gan 2nd Major: Biochemistry Jisun Lew Fawziya Mirza Anjali Shantikumar Patel Edward Smith Ramsay Akash Sharad Taggarse

Zoology

Farzad Azad Tara Louise Burke Karen Lesley Walker Song Han Yi

UNDERGRADUATE STUDIES

Bachelor of Arts

Individual Studies

Grachel Roxas Javellana

Bachelor of General Studies Michelle Louise Eller Frederic Albert Lawrence Jacqueline Palau Emily Elizabeth Russell Lara Anne Walker Marilyn Outerbridge Wilhelm

Bachelor of Science

Individual Studies Seth C. Moskowitz

CANDIDATES FOR GRADUATE DEGREES December 1992



DOCTOR OF PHILOSOPHY

David K. Abe Electrical Engineering The Design and Experimental Investigation of a Multiwave Cerenkov Generator as a High Power Microwave Source

Quadri A. Adeseun Criminal Justice and Criminology The Impact of Religious Beliefs and Religious Services on Delinquent Behavior

Farida Adimi Physics *Pion Absorption on 4He at 114 MeV*

Amr A. Adly Electrical Engineering Mathematical Modeling of Media With Hysteresis

Djime D. Adoum Agricultural and Extension Education Factors Affecting Initial Adoption of Agricultural Expert Systems: A Survey of Selected

Factors Affecting initial Adoption of Agricultural Expert Systems: A Survey of Selected States With Focus on a New Expert System for Maryland

Rakesh K. Agarwal Mechanical Engineering

Prediction of Electrical, Thermal and Mechanical Properties of Woven- Fabric Composites for Design of PWB Substrate Materials

Nancy F. Aiken Counseling and Personnel Services Impact of Court Ordered Counseling of Domestic Violence Victims on Blame Attribution

Julia L. Albertine Human Nutrition and Food Systems

Effects of Different Heating Methods and Temperatures, on the Sensory, Physical, and Chemical Characteristics of Imitation Crab

David W. Armstrong Kinesiology The Role of Beta-Endorphin in Exercising Humans Acutely Exposed to Cold or Hot Air

Joanne M. Atlee Computer Science Automated Analysis of Softwave Requirements

Murat M. Aydede Philosophy Implementation, Connection, and the Language of Thought

The December 1992 class roster comprises degree candidates from the graduate and undergraduate programs at the University of Maryland at College Park. As final action cannot always be taken for candidates by the time this program is printed, the list of candidates here is tentative only. The university reserves the right to withdraw or add names. Diplomas (for other than doctoral degrees) will be mailed by the Office of Records and Registrations. Bradley S. Baldwin Marine, Estuarine, and Environmental Sciences The Natural Diet and Feeding Behavior of Oyster Larvae (Crassostrea Virginica).

Ashwin K. Ballal Engineering Materials Characterization of InAs and Cubic BN Films

Elizabeth Barnes Public Communication Spatial Contexts for the Shakespearean Soliloquy: Macbeth Adapted From Stage to Film, to Television

Fred M. Beasley Business and Management The Impact of Consumer Promotions on Purchase Acceleration

Elizabeth R. Beil Counseling and Personnel Services Miscarriage: An Examination of Selected Variables on Grief

Charles E. Bell Physics

Martha A. Bell Human Development Individual Differences in Object Search Performance at Eight Months of Age: The Relations Among Locomotor Experience, Sustained Attention, and Brain Electrical Activity

Thomas P. Bell Industrial, Technological and Occupational Education Curriculum Guidelines for the Communication Technology Area of TechnologyTeacher Education Programs

Howard J. Bender Curriculum and Instruction Towards Semantics-Oriented Machine Translation: Using Synonym Comparisions to Interpret Natural Language

Erica G. Bernstein Mathematics Generalized Riesz Products for Pyramidal Schemes

Haidee K. Bernstein Special Education Public Awareness and Child Find Campaigns Under Part H of IDEA: A Review of Selected States

Robert B. Bertram Botany Genetic Resources of Cassava: Evolution and Assessment of <u>Manihot Sect.</u> <u>Paryibracteatae</u>

Shivarajpur Bhaskar Computer Science

Michael A. Bienenstock Special Education An Investigation of Least Restrictive Environment Policy as it Relates to State Level Policy in Special Education Mary E. Bligh Human Nutrition and Food Systems The Effects of Chronic Cold Stress on Adrenet Hormones and Macronutrient Choice

Sheila C. Boston Curriculum and Instruction Statis N. Coleman: Her Career in Music Education

Matthew E. Briggs Physics Photothermal Deflection Spectroscopy in a Supercritical Fluid

Evan B. Brody Kinesiology The Effect of Varying Concentration Upon Force Alteration and Activation of the Biceps and Medual Triceps Brachii During an Isometric Elbow Flexion Task: An Electromyographic Assessment

Amy E. Brown Marine, Estuarine, and Environmental Sciences An Investigation of Neurobehavioral Effects of Low to Moderate Organo-phosphate Exposure in Lawn and Landscape Pesticide Applicators

Wojciech Bulatek Mathematics Smoth, Weakly Isomorphic, Weakly Mixing Flows are Not Necessarily Isomorphic

Mary E. Burfisher Economics Agriculture în a US-Mexico Free Trade Agreement: A Computable General Equilibrium Analysis

John H. Burgess Economics Poison Pills and the Market for Corporate Control

Robert P. Butler Astronomy

Paula C. Butterfield Special Education An Investigation of the Use of the Growth Measurement Score to Identify Academic Achievement Potential of Third and Sixth Grade Students

Jongcook Byun Business and Management Three Essays on the International Finance; Barriers to International Investment, the Purchasing Power Party, and the Real Interest Rates

Zhong N. Cai Electrical Engineering Stage Buffer Design of Multi-Level Cache

John R. Callahan Computer Science Software Packaging

Coral S. Carey Health Education Humor and Stress: Defense or Mature Coping Strategy

Cynthia L. Cates Government and Politics

Dong-Ok Chah Business and Management The Relation of Ceo Traits, Behaviors and Skills to Effectiveness in U.S. and Korean Companies

Audrey Chang Physics Structural Properties of Silicon and Chromium Microclusters: From Semi-Emprical and Ab Initio Molecular Dynamics Calculations

Yu-chen Chang Chemical Engineering The Thermophoretic Effects in the Transport of High Temperature Aerosols

Lin M. Chaves Psychology

Chien-Jen Chen Electrical Engineering Theoretical and Computational Study of Fiber Ring and Loop Lasers

Jian-Guang Chen Electrical Engineering Resonant Tunneling in A1Gas/GaAs Double-Barrier Heterostructures

Jun-Liang Chen Physics First-Principles Studies of Ionic and Transition-Metal Microclusters

Ming-Huei Chen Mechanical Engineering Three Dimensional Semi-Analytical Finite Element Analysis of Fiber Microbuckling in Multidirectional Laminated Composites

Shih J. Chen Public Communication A Convergence Model of Communication and Organizational Group Climate: A Galileo Study

Xiao G. Chen Civil Engineering

Xiaolin Chen Electrical Engineering Dynamics and Control of Constrainer Nonlinear Systems

Yeong-Shu Chen Mechanical Engineering Predicting the Vibrational Fatigue Lives of Chip Components Mounted on a PWB

Yung-Mien Chen Mechanical Engineering Determining Mixed Mode Stress Intensity Factors KL and KII for Crack Tips Located Near a Concentrated Force

Joseph W. Cheng Business and Management An Alternative Test of the After Tax CAPM and the Impact of Switch in Dividend Policy on the Riskiness of Common Stocks Kuo-Ping Chiao Mechanical Engineering Least Squares Model Reduction for Vibration Control of Complex Mechanical Systems

Minze V. Chien Electrical Engineering Hardware Efficient and High Performance Networks for Parallel Computers

Ching-Te Chiu Electrical Engineering Real-Time VLSI Algorithms and Architectures for Time-Recursive Discrete Sinusoidal Transforms With Applications to Video Communications

Damian J. Christian Astronomy Spectral and Temporal Beliavior of Low Mass X-Ray Binaries Observed With the Einstein SSS and MPC and the Broad Band X-Ray Telescope

William W. Clark Counseling and Personnel Services Countertransference of a Religious Nature in Christian Counseling

Thomas W. Clinton Physics Effects of Oxygen on the Magnetic Order of the Rare Earths in $RBa_2Cu_3O_{6tx}(R = Dy, Nd, Er)$

Charles J. Coate Business and Management A Two Period Budding Model of the Audit Market

Mary A. Collins Sociology School Social Context, Self-Esteem, and Locus of Control Among White, Black, and Hispanic Eighth Graders

Frank C. Conahan Human Development Attachment as a Factor in Behavior Modification

Alberto Cordero Philosophy Understanding Quantum Theory From the Practices-Up

Mathew S. Corson Electrical Engineering A Distributed Routing Protocol for Mobile Radio Networks and its Performance Evaluation

William J. Coyle Economics The Formation of Distributional Coalitions and Firm Profitability

Gilbert L. Crouse, Jr. Aerospace Engineering An Analytical Study of Unsteady Rotor/Fuselage Interaction in Hover and Forward Flight

Rachid Dahmani Chemical Physics Optical Properties of Cadmium Sulfide, Zinc Scienide, and Zinc Manganese Selenide Semiconductor Films **David M. Dancer** Mechanical Engineering Natural Convection in Tanks Containing One or Two Fluid Phases

James P. Darling Electrical Engineering Data Parallel Algorithms for the Numerical Modeling of Semiconductor Devices

Neil R. Davison English Language and Literature Silence, Exile and Cunning: Joyce and the Construction of Jewish Identity

Betty H. Day English Language and Literature This Comes of Writing Poetry: The Public and Private Voice of Lydia H. Sigourney

Amy M. Decloux Microbiology Role of Environment and Mutagenesis in Recovery of E. Coli Mutants

Alexios Delis Computer Science Client-Server Databases: Architectures and Performance Analysis

Leslie G. Depaolo Human Development An Interdisciplinary Investigation and Synthesis of Definitions and Dynamics of Human Development and Their Implications for Educational Reform

Dinakar S. Desai Animal Sciences Developmental Regulation of Insulin-Like Growth Factor-II in Slivep

Neal K. Devine Physics Electron-Deuteron Scattering With Relativistic Quasipotential Models

Jastej S. Dhingra Electrical Engineering Reconfigurable Control in Discrete Event Dynamic Systems Applied to Manufacturing Systems

Ellen M. Dikel Health Education Utilization of Breast and Cervical Cancer Screening by Women in Maryland: Prevalences and Trends

Paul A. Dirmeyer Meteorology GCM Studies of the Influence of Vegetation on the General Circulation: The Role of Albedo in Modulating Climate Change

Pamela B. Docarmo Education Policy, Planning and Administration Paramedic Program Accreditation and Quality: A Study of the Relationship

Ellen M. Dontigney Human Development Mood and Intrinsic Motivation Nancy C. Dosch Kinesiology The Use of Exercise as a Medical Therapeutic in Mid-Nineteenth Century America 1830–1870

Valerie W. Drake Human Development African American Caregivers of Elderly Clients: Correlates of Life Satisfaction

Bryan E. Dutton Botany A Monographic Study of the Genus Anemone L (RANUNCULACEAE) Section Sylvia Gaudin

Dennis G. Dye Geography Global Interannual Variation of Incident Photosynthetically Active Radiation

Fady G. Elassaad Agricultural Engineering A Laboratory System for Poultry Transport Crate Disinfection

Diane M. Everman History

Melvin D. Ferrier Marine, Estuarine, and Environmental Sciences Fluxes and Metabolic Pools of Amino Acids in Algal-Cuidarian Symbioses

Richard P. Fischer Electrical Engineering An 85 Ghz Quasioptical Gyroklystron Experiment

Gayle A. Fisher-Stewart Government and Politics Police Chief Professionalism: Does Race Make a Difference

Paul G. Flikkema Electrical Engineering Parallel Acquisition of Spread Spectrum Signals With Doppler

John A. Fliter Government and Politics

Fekadu Folle Agronomy Effects of Tillage on Organic and Inorganic Phosphorus Forms and Sorption in Soils of Maryland and Southern Africa

Robert A. Forczyk Government and Politics Emergent India and the Assessment of Third World Regional Powers in the Post-Cold War Era

Patricia A. Fouts Textiles and Consumer Economics Residential Response to Price Changes in Natural Gas Service: A Short Run and Long Run Analysis

Patricia A. Francis American Studies Never a Stranger: Margaret Mead as an American Celebrity Timothy L. Francis Recreation

Michael C. Frazier Psychology Psychosocial Correlates of Contraceptive Behavior Among Black Male College Students

Noah S. Friedland Computer Science

Theresa Gaasterland Computer Science Generating Cooperative Answers to Database Queries

Madhur Gautam Agricultural and Resource Economics Sequential Decision Making Under Temporal Risk by Households in Dryland Agriculture

Richard G. Gibson Jr Business and Management Information Technology in International Business: An Architectural Perspective

Peter M. Giovanoni Astronomy Effects of Relativistic Neutrons on Active Galatic Nuclei Models

Sheila C. Gray Education Policy, Planning, and Administration

Arthur C. Grinath Economics

Barbara K. Gruber Special Education The Effects of Integrated Summer Day Camp Programs on Children Without Disabilities

Jian Gu Electrical Engineering

Yin Guo Physics A Semiclassical Study of Quantum Maps

Gwendolyn F. Hall Policy Studies Managing Interservice Competition: The Relationship Between the Secretary of Defense and the Joint Chiefs of Staff

Mary Y. Hama Textiles and Consumer Economics Food and Nutrient Consumption Patterns of Households in Puerto Rico

Ming Han Chemistry Coal- and Oil-Fired Power Plants Contributions to the Atmosphere of Maryland

Ellen E. Hanak Economics A Service-Based Theory of Retail Banking, With Application to the Estimation of Money Demand

William R. Harrell Electrical Engineering

Andrew J. Harris Government and Politics Presidents, Generals and Green Berets: Explaining the Rise and Decline of Special Operations Forces

Sue J. Hawkins Human Development Comparison of Fear of Crime Among Urban and Suburban Elderly

Theresa E. Hefferan Nutritional Sciences

Eleanor E. Heginbotham English Language and Literature Dwelling in Possibilities: Emily Dickenson's Fascicles

Maria E. Heinrich Spanish Language and Literature Inicios del Teatro Independiente en Buenos Aires: El Teatro del Pueblo en 1930

Terrence H. Hemmer Chemical Physics Theoretical Studies of Hydrazoic Acid, Extensions to the RRK and RRKM Theories of Unimolecular Reactions and Collisional Quenching Reactions

Paul C. Hershey Electrical Engineering Information Collection Architecture for High Speed Network Environments

Jean-Yves Herve Computer Science Computer Vision for Navigation Tasks

Sunggi Heu Botany Characterization of hrmA Modulating Hypersensitive Response of Pseudomonas Syringae pv. Syringae

Neil A. Holliker Education Policy, Planning, and Administration Dual Institutional Accreditation: A Study of Bible Colleges With Both National and Regional Accreditation

Linda L. Hon Journalism Toward a Feminist Theory of Public Relations

Wen-Shuen Hong Civil Engineering Behavior of Two-Span Composite Bridge Girders Designed by Autostress Method (ALFD)

Zhaohui Hong History Changing Interpretations of Land Speculation in Western Development-Historians and Shaping of the American West

Maurice B. Howard Education Policy, Planning, and Administration An Analysis of the Opinions of Twelth Grade Students, Their Parents/ Guardians, High School Teachers, and School-Based Administrators about Educational High School Features in St. Mary's County, Maryland Shao-Hsu Hsieh Biochemistry Alteration by Site-Directed Mutagenesis of the Conserved Lysine Residue in the Consensus ATP-Binding Sequence of the RecB Protein of Escherichia Coli

Kae-Sheng Hsueh Nuclear Engineering An Integrated Simulation Model for Plant/Operator Behavior in Accident Conditions

Sen Hu Mechanical Engineering Heat Transfer and Pressure Drop of Liquid Cooled Offset Fin Heat Exchangers

Kuan H. Huang Mechanical Engineering

Liuqing Huang Computer Science Purposive Visual Robotics

Mu-Hsuan Huang Library and Information Services Pausing Behavior of End-Users in Online Searching

Shay-Jan Huang Electrical Engineering

Tsu-Wei Hwang Mechanical Engineering Analysis of Surface Quality in Machining of Metals and Advanced Ceramics

Shirley Hymon-Parker Education Policy, Planning, and Administration Bridging the Gap Between Fashion Retail Education and Employment: An Assessment of the Benefits and Limitations of Existing Practices

James R. Irons Agronomy

Suad M. Itani English Language and Literature *William Faulkner: The Mystery of Language*

Mary A. Jackson Education Policy, Planning, and Administration Concerns of Teachers Toward Their Mathematics Training as Part of the Maryland School Performance Program

Alusine S. Jah Agricultural and Extension Education Leadership in Agricultural Education in Maryland: Responsibilities of High School Supertendents,Voc. Directors and Principals as Perceived by Incumbents, Ag. Ed. Teachers and Ag. Interest Groups in Md

Dianne N. Janczewski Zoology Phylogeny of the Felidae Based on Mitochondrial DNA Sequence Comparisons

Judith L. Jarrell Business and Management Modeling the Determinants of Statisfaction and Commitment in Buyer- Seller Relationships in Less-Than-Truckload Motor Carrier Industry Mollie Jaschik-Herman Psychology The Psychological and Behavioral Correlates of Body Image Concerns in Non-Eating-Disordered Women : Differences According to Gender Role and Sexual Orientation

Ming-Une Jen Mechanical Engineering The Dynamic Interaction of the Cutting Process and the Workpiece in Facing

Christopher Q. Jian Mechanical Engineering An Experimental and Theoretical Study of Buoyant Horizontal Jet Flames

Guo-Xiong Jin Physics Effects of Critical Fluctuations on Thermodynamic Properties of Fluids and Fluid Mixtures

Jiahua A. Jin Physics Effective Interfacial Hamiltonians and the Theory of Wetting

Lynne Ellen Johnson Art History and Archaeology The Religious Paintings of Piero di Cosimo

Brian H. Johnstone Marine, Estuarine and Environmental Sciences Detection and Regulation of Collagenase in Vibrio Alginolytians and Marine Sponge Associated Bacteria

Gregory E. Jones Measurement, Statistics and Evaluation

Sharon M. Jones Psychology The Transition to Senior Housing: A Test of a Model of Adult Transitions

Cheryl L. Jordan Recreation The Evolution of the Baltimore City Bureau of Recreation (1940-1988)

Thierry J. Jutel Public Communication

Gail A. Keller Counseling and Personnel Services An Investigation of Characteristic WISC-R Profiles of Inner-City Children

Brian L. Kelly Curriculum and Instruction The Effect of a Cooperative/Competitive Instructional Program on Student Achievement and Attitude Toward Mathematics

John W. Kennington, Jr. Chemistry

Jae-Hoon Kim Meteorology Diagnosis of the General Circulation Model Anomalies by the Tropical Sea Surface Temperature Young-Rae Kim English Language and Literature A Thematic Study on Melville's The Piazza Tales

Timothy W. Kinlock Criminal Justice and Criminology Precursors and Correlates of Serious Criminal Behavior Over a Narcotic Addiction Career

Maria C. Kirkbride Agricultural and Extension Education Best Management Practices on Maryland's Eastern Shore: Influences of a Demonstration Farm on Their Adoption

Heidi B. Kirkpatrick Astronomy

Benjamin P. Kirtman Meteorology Dynamics of Tropical Intraseasonal Variability

Sunita Kishor Sociology Gender Inequality and Development : A District-Level Analysis of Juvenile Sex Ratios and Early Childhood Mortality in India

Jody Klein-Saffran Criminal Justice and Criminology Recidivism, Employment and Drug Use: A Study of Federal Offenders Released Via Electronic Monitoring or Halfway House Programs

Margaret A. Klein Curriculum and Instruction The Effects of Exposure to Positive Humor on Reduction of Public Speaking Apprehension Among College Undergraduates

Yun-Fei Ko Chemical Engineering An Integrated Metabolic Modeling Approach for Describing the Energy Efficiency of Escherichia Coli: Theoretical Development and Application

Eric L. Kohatsu Counseling and Personnel Services The Effects of Racial Identity and Acculturation on Anxiety, Assertiveness, and Ascribed Identity Among Asian American College Students

Rita R. Kolb Measurement, Statistics and Evaluation

William J. Kovarik Public Communication The Ethyl Controversy

Richard M. Kreminski Applied Mathematics Graded Manifolds and Spin Structure

Lei Kuang Electrical Engineering Burst Reduction in High Speed Networks and the Calculus of Burstiness Maura L. Kurkjian Psychology Age-Effects on Retinal Sensitivity to Light as Indicated by the F-ERG in Pigeon

Ohbin Kwon Mechanical Engineering Numerical Study of Turbulent Reacting Flow in an Internal Combustion Engine Cylinder

Gregory R. Lamotta History The Americanization of the Virgin Islands, 1917-1946

Donald F. Larson Agricultural and Resource Economics

David A. Latzko Economics Wars, Strikes, and Legal Disputes: A Study of Conflict and its Resolution

Jacqueline S. Lazarewicz Education Policy, Planning, and Administration Parent Attitudes Toward Their Children's School Based on Participation in a Curriculum Training Program

Margaret E. Leavy Health Education The Evaluation of an Oral Health Education Program for Inner City First Grade Students: Instrument Development and Outcome Assessment

Ching-Yi Lee Electrical Engineering Low Cost Unicasting and Multicasting Networks With Fast Routing Schemes

Hai-Tien Lee Meteorology Development of a Statistical Method for Estimating the Downward Longwave Radiation at the Surface From Satellite Observations

Bernhard P. Leeb Mathematics

Guang-Dih Lei Chemical Engineering Modeling of Continous Melt Polycondensation Reactors for the Synthesis of Poly(Ethylene Terephthalate)

Virginia A. Lerch Horticulture Genetic and Phenotypic Diversity Within and Among Species and Groups of an Impatiens Germplasm Collection, and Breeding Lines of New Guinea Impatiens

Hai Li Physics Space Charge Instabilities in Gyrotron Electron Beams and Nonlinear Theory of Gyro-Amplifiers at Cycletron Harmonics

Qichang Li Poultry Science

Yiwei Li Applied Mathematics Theoretical and Numerical Problems of Constitutive Laws of Plasticity and Their Applications

De-Ron Liang Computer Science Synchronization Issues in Modeling Parallel Computations

Bruce P. Libby Chemistry Decay of Hot Nuclei Formed in La-Induced Reactions at E/A=45 MeV

Maria H. Lima Comparative Literature Decolonizing Genre: Post-Colonial Women Writers and the <u>Bildungsroman</u>

Hongchin Lin Electrical Engineering Efficient Self-Consistent Semiconductor Device Modeling by Deterministic Solution to the Boltzmann Transport Equation

Po-Yang F. Lin Electrical Engineering Regular VLSI Layout Structures of CMOS Circuits

Xia Lin Library and Information Services

Zhichao Lin Chemistry The Study of Particulate Source Apportionment Using Enriched Stable Rare Earth Isotopic Tracers

Nancy C. Lindley Music Singer Radiana Pazmor and American Music: The Performer as Advocate

Carey M. Lisse Physics Infrared Observations of Dust in Comets by COBE

Mark A. Little Agricultural Engineering Water Temperature Simulation and Validation in a Solar Heated Aquaculture Pond

Huifang Liu Geology

Lurng-Kuo Liu Electrical Engineering

Mingyao Liu Zoology The VDAC Modulator: Purification and Actions on VDAC Channels and Isolated Mitochondria

Shaohua Liu Physics The Study on Metallic Impurity Band in N-Type GaAs Wei Liu Biochemistry The Mechanisms of Action of Antimicrobial Peptides Subtilin and Nisin

Yuan Liu Computer Science Null Values in Logic Programs

John M. Lorah Physics A Measurement of the Forward-Backward Asymmetry in the Process

Kathleen S. Lossau Philosophy Satisficing as a Variation on Act-Utilitarian Ethical Theory

Anil P. Macwan Nuclear Engineering A Simulation-Based Approach to Model Errors of Commission in Following Emergency Operating Procedures

Valerie D. Macys English Language and Literature Behind the Mask: Flannery O'Connor and the Discomforts of Home

Houria Madani Chemical Physics Mass and Charge Distributions in Iron-Induced Reactions and Exitation Energy Division Between the Fragments of the 672–MeV ⁵⁶Fe+¹⁶⁵Ho Reaction

Manabi B. Majumdar Government and Politics Inducing Investment and Instituting Democracy: Political Economy of the Industrial Sphere in Sweden and the United States

Saundra R. Maley English Language and Literature Solitary Apprenticeship: James Wright and German Poetry

Akhtar A. Malik Civil Engineering Nondestructive Testing and Evaluation of Concrete

Gemma A. Marolda Government and Politics British and German Economic Relations With Japan: Strengthening the 'Weak Link' in a New Western Security Regime

Joseph J. Marusiak Public Communication Images of British Cinema: A Study of a Critical Attitude Towards Motion Pictures

Susan A. Mason Special Education The Effects of Using Systematic Instruction to Teach Students With Autism Appropriate Responses to Lures and Incentives: An Effort to Increase SelfProtection Skills

Katheryn A. Mathes Curriculum and Instruction An Action Science Study: Re-educating Teachers as Practitioners of School-Based Decision-Muking Masahiro Matsumura Government and Politics Japan and the United States in the Development of the Developing World: Paterns, Impact, and Policy

Md. M. Maula Zoology The Structure of the Cytopharynx of an Undescribed Species in the Genus <u>Psendokeronopsis</u> Borror and Wicklow, 1983 (Stichotrichida, Ciliophora) as Influenced by Prey

Joan F. May Counseling and Personnel Services Identification of Service Related Needs Among Battered Women and Program Administrators

Marilyn S. Mayer Marine, Estuarine, and Environmental Sciences Effect of Benthic Macrofauna on Nitrogen Cycling in Sediments

Joan E. Mc Kearnan Marine, Estuarine, and Environmental Sciences Breeding Bird Distribution and Nest Predation in the Ruparian Zone

Daniel R. McCarthy Physics Transport, Equilibrium, and Stability of the Tokamak Edge

Christine M. McIntyre Spanish Language and Literature *Trayectoria Poetica de Gloria Fuertes*

Emma T. Melgarejo Curriculum and Instruction Significant Learning Experiences of Beginning Teachers

Paola Merlo Linguistics Modularity and Parameters in Principle-Based Parsing

Gregory S. Metcalf American Studies Looking for Marlowe: Paratextual Characters in American Society

Elizabeth M. Middleton Botany

Eytan H. Modiano Electrical Engineering

Molisana G. Molisana Physics Shapes of Confined Polymers

Soo-Mook Moon Computer Science Compile-Time Parallelization: Superscalar and VLIW

Margaret M. Moore Poultry Science Neural Control of Aggression in Poultry **Rene A. Morales-Brignac** Psychology Financial Reward Systems for R and D Employees: Motivational Characteristics and Relationships to Organizational Effectiveness

Cornelius A. Morgan Physics

Donald A. Murk Human Development The Effects of Mobility and Other Stress Variables as They Affect Inner City Second Graders

Keith L. Musser Electrical Engineering Distributed Algorithms for Scheduling in Discrete Manufacturing

Donna L. Naples Physics Nuclear A Dependence in Photoproduction of High P+Jets and Hadropreduction Differences

P. J. Narayanan Computer Science Effective Use of SIMD Machines for Image Analusis

Vijayshankar M. Narayanarao Engineering Materials Fundamental Studies on High Temperature Deformation Behavior of Alpha, Alpha-Beta and Beta Titanium Alleys

Biman Nath Astronomy Energetic Events in the Early Universe

Haiying Niu Microbiology Characterization of 4 TN5 Mutated Plasmids on RSK Locus in <u>Salmonella</u> <u>Typhimurium</u>

Sam H. Noh Computer Science Characterizing Parallel Applications for Evaluation on Massively Parallel Systems

William J. Nordling Psychology The Effects of Attachment Styles on Couples Communication, Conflict Styles and Satisfaction

Hasan S. Oktay Mechanical Engineering Continuum Damage Mechanics of Balloon Angioplusty

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The Interrelationships of Cultural Frames of Reference, Social Processes, Task Processes and Project Outcomes over the Life Cycle of Multicultural Task Forces Composed of Anglo-Americans and Hispanic-Americans

Alicia B. Rios Spanish Language and Literature Moral y Luces (La Idea De Nacion y Cultura Nacional en la Epoca de la Independencia Venezolana)

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John D. Shaughnessy Zoology Deregulated Expression of the C-MYC Proto.Onco- Gene by Atypical Genetic Lesions in Mouse Plasmacytomas

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Chiao-Yung Sher Computer Science Parallel and Hierarchical Segmentation of Salient Image Features

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Diana M. Shih Zoology Expression and Developmental Control of the Human Embryonic Beta-Globin Gene in Transgenic Mice

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Hyungjae Shin Engineering Materials The Role of Plastic Deformation on Brittle and Near-Brittle Cracking Behavior

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Sarah E. Sinopoli English Language and Literature

Suntharalingam Skanthakumar Physics Magnetic Order of the Rare Earth and Cu Spins in the Electron Superconducting System $R_{2-\chi}Ce_{\chi}CuO_{4-\chi}(R = Nd,Sm)$

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Catherine J. Wilson Counseling and Personnel Services

Dennis C. Winkler Chemistry

Guu-Chang Yang Electrical Engineering New Codes, System Designs, and Performance Evaluations for Code-Division Multiple Access on Optical Fiber Networks

Jeng-Dar Yang Chemical Engineering Cell Inactivation by Air Sparging in a Mechanically Agitated Bioreactors

Syun-Ru Yeh Chemistry Model Studies of DNA Photorepair

Kamil Yilmaz Economics Post Socialist Economies: Ownership Reforms and New Development Strategies

Xuejun Ying Physics Far Infrared Magneto-Optical Studies of a Quasi-3-Dimensional Electron System

Helene W. Young-Myers Business and Management Database Transitive Closure: A Performance Study of Multithreaded Algorithms

Gin-Shu Young Mechanical Engineering Visual Invariants, Obstacle Detection and Calibration for an Intelligent Vehicle System

Naixuan Yu Zoology Identification and Cluracterization of an Acetylcholine Receptor Aggregating Protein From Fetal Pig Brain

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Guang Zhu Chemical Physics Signal Processing of Multidimensional NMR

DOCTOR OF EDUCATION

Norman R. Anderson Education Policy Planning and Administration

A Comparison of the College Aspirations and Achievements of Afro- American Secondary Students in Rural Somerset County, Maryland During Pre-Desegregation (1965-69), Immediate Desegregation (1971-75) and Later Desegregation (1985-89) Periods

Sharon R. Clark Curriculum and Instruction

Research Dispositions of Teacher Candidates and Teachers: Different Content Area Backgrounds, at Different Stages

Nadine H. Clifton-Fears Education Policy, Planning and Administration The Teaching Effectiveness Network Program: Its Evolution and Effect on Worcester County's Educational System

John E. Fritz II Education Policy, Planning and Administration

An Exploratory Study to Evaluate Changes Across Demographic Attributes in At Risk High School Students' Academic Performance and Attendance Rates Within a Dropout Prevention Program

Richard S. Gibson Curriculum and Instruction

Measuring Local Board of Directors' Effectiveness With Six Performance Competencies in American Red Cross Chapters

Jo E. Gray Curriculum and Instruction

A Comparative Study of Efficacy Among Urban Novice African- American Teacher Graduates From Historically Black and Traditionally White Colleges

Margarita E. Hodge Curriculum and Instruction

A Survey of Frequently-Heard First Language Listening Texts Among Foreign Language, Adult Learners and Educators, and Selected Listening Texts for Developing Listening Proficiency in Two-Year Foreign Language Curricula

Rebecca M. Karp Curriculum and Instruction

Comparison of a Graduate Level Teacher Education Program and Traditional Programs in Preparing Teachers to Make Decisions in Interactive Teaching Situations

Linda W. Lymas Education Policy, Planning and Administration A Study of the Use of Power Bases by Middle School and High School Principals and Their

A study of the Use of Power Bases by Middle School and High School Principals and Their Affect on Teacher Satisfaction

David D. Morrocco Curriculum and Instruction

Comparison of the Use of Cooperative Learning by Graduates of an Alternative and of Traditional Teacher Preparation Programs

William C. Philips Curriculum and Instruction

Misconceptions About Fundamental Earth Science Ideas and Their Teachers' Perceptions About the Frequency With Which These Misconceptions Occur

Linda C. Wittmann Curriculum and Instruction

Comparison of an Alternative Teacher Education Program and Traditional Programs and Their Relationship to Developing and Maintaining a Sense of Efficacy in First Through Fifth Year Teachers

DOCTOR OF MUSIC

Donna K. Eastman Music

Sir Gawain and the Green Knight Suite for Woodwind Quintet in 6 Movements

Julie A. Stone Music Jean Rivier: His Life and Published Flute Music

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Vicki Lynn Ferguson Ellen Claire SaintOnge

MASTER OF ARCHITECTURE

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Sin-Chnuah Cheah John B. Nocito Joseph Gerard Smith

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Hope Renae Nisly Ann Marie Przybyla Steven John Russ

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Engineering Materials

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Entomology

Nikhil Mallampalli

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Craig Edward Brunetti Pamela Ann Healey Derong Liu Judith Russell Purman

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Sudha Balakrishnan Evren Serand Bayoglu Mohammad Behbahani-Nejad Gary Nelson Bonadies Chongcherng Chang Yin-Hsin Chen Howard Franklin Dawson Roger Lewis Fittro David Bennitt Harris Xiaoyu He Hsin-I Hsieh Feng Huang

Tao Huang Ramakrishnan Jayant Kiwesa King Gumballa Krishnakumar Chien Lin 1-Ping Lu Richard Michael McMahon, Jr. Farukh Navaid Mylene Sluvter Ouimette Chandrasekhar Pusarla Vijay A Ramappan Rajesh Ratnakar Patricia Iulia Fonseca Turner Miin-Lurng Tzeng Kai Wang John Douglas Wright līn Ye Jianjun Zhang Zhan Zhang Oin Zhou

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Zhiyuan Dai David George Dewitt Ronla Kay Henry Yuhe Liu William Randolph Moak Leslie Ann Moy Daniel Seth Schaffer Xiaojing Zhou

Microbiology

Kathryn Anne Busch Mehrnoush Janbakhshnajafabadi

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Nadia Ennaciri Joseph A. Green Naomi Joyce Grossman Ali M. Tafreshi

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Thomas Seyliard Hammack

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James Tracey Heaton

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Beth Cheryl Kantrowrtz Joseph Benjamin Kubinski John Thomas Lill Elizabeth Ferguson McCance Jennifer Robin Niese

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Textiles and Consumer Economics

Kavita Khanu Chandnani Adriana Padula Jannuzzi Thomas Patrick Keane Claire Sudassy Munter Dilip Kumar Patro Ravi Ramanathan Liping Margaret Zhang

Zoology

Susan Beth Cooperstein David Allen Gurley Eileen F. Lavan John Joseph Tschirky John Robert Ware

CANDIDATES FOR UNDERGRADUATE DEGREES December 1992



COLLEGE OF AGRICULTURE

Bachelor of Science

Agricultural and Resource Economics

Kevin William Abbott Paul Edward Beatty Jacqueline A. Blattner Gina T. Campos Matthew Y. Cho Michael J. Connelly Michael Evester Andrew Brett Franklin Michael James Garvey Beverly Ann Glass Mark Douglas Green Emelda Lucretia Guin Amv Lynn Howell Scott Landon Hunter Daniel Richard Kranzler Samuel S. Lehrfeld John Hilton Lind Charles N. Lindelof Maureen Anne McDonald Telly C. Michalopoulos Kevin Todd Miller Daniel Toadvine Rayne Leslie Howard Schwartz Clayton Lange Sebring Jang Hyun Shin Traci Colleen Sullivan James P.H. Weaver Andrew Reniero Zamora

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Jamie Layne Cranford Christina Leigh Davis Melissa Chadwick Davis Teresa Louise Goetz Alice Helen Gordon Lori Beth Kaiser

Combined Agri-Veterinary Science Becky Shannon Tully

Conservation Soil, Water and Environment

Juliet Marie Cartron Joseph Councell Duke, Jr. Scott J. Madison§

Crop Science

William Sattler Mowell Jill Ellen Petrisko

Dietetics Bruce Augustin Schaper

Food Service Administration

Leslie Diane Cagnolatti Glenn Alan Dennison*

Food Science Reem Kassatly Raii

Reem Kassatly Rajit

General Agriculture

Steven Burch* Timothy Sean Munley Carl Odell Patton

Horticulture

Jeffrey Richard Aronson Nancy L. Pinkerton James Robinson Scarborough Arthur I. Speth, Jr.

Human Nutrition and Foods

Steven A. Bader Kimberly Ann Johnson†

Natural Resources Management

Timothy Generes Fields John Patrick Fishback Kristen Jean Hughes Josef Christopher Jaufmann Mi Ae Kim* Dorothy E. Knecht Julie Anne Latchum Stephen Owen Leslie, Jr. Robert Naranja Nonato Stacy Lynn Porter Barbara Louise Schellinger Christopher Michael Voell⁺ Jeffrey Peter Zahn

Nutrition Research

James David Walker

Soil Science

Michael F. Molfetto

Turf and Urban Agronomy

William H. Grund Robert Charles Larsen, Jr.

SCHOOL OF ARCHITECTURE

Bachelor of Science

Architecture

Keir Dullea Chandler Michele M. Garcia 2nd Degree: Civil Engineering Thomas Scott King S. Jamie Jae Lee Francesco Rawitch Sandra Kay Shelton

§ Summa cum Laude † Magna cum Laude * cum Laude

COLLEGE OF ARTS AND HUMANITIES

Bachelor of Arts

Advertising Design

Sylvie Abecassis Edward P. Alton Alice Violeta Cabrera Arturo A. Gigante Patrick Alan Goeman Christopher John Komisar Minah Oh Gray McDonough Siegel

American Studies

Stephanie Beeler Erin Ranee Borschow Katherine Elizabeth DeFoe Aaron N. Fortier William E. Gnirrep Eric Mondell Hicks Colleen Bridget Hughes Laura Patricia Kiernan Julie Rae Krolicki James Edward McClay Joanna F. Reisig John Townsend Stemmle Curtis Scott Yarbrough Roderick Carlton Younger

Art History

Angela Kathleen Celey David Eugene Donaldson Julie Michelle Gaithert Sharon Jean Golden* Charles Vernon Holter Samar H. Hussaini Arezou Javan Robert Jack Lunsford Jennifer Lynn Margolius Christina Claire Rich Jennifer Christin Sankowski Kenneth Howard Shure Nova Louise Spear

Art Studio

Kemal Kurniawan Adnan Erika Allyn Aguilar Luis Enrique Alonso Jeffrey Douglas Ankers Patricia Katherine Beachley* Melinda Maria Conrad David Allen Dunne Bette Ann Edwards* Dennis Ramon Fox, Jr.* 2nd Major: Anthropology Manabu Gima Wayne Antonio Harris Lisa Beth Hepfer Mary Luisa Coll-Pardo Heymann Roger L. Keach III Evdoxia Vasilios Kopsidas 2nd Major: Art History Sandy Franklin Lee Amy Lorene McKenney Unsil No Thomas John Olszewski Cvrus Pakravan Gina M. Sambolin Sarah Louise Timko 2nd Major: Art History Candice Jeanne Tunkel Patricia Eileen Watson*

Classical Languages and Literature

Thomas Wat Tyler

East Asian Languages and Literature

Willow Jacklyn Kim

English Language and Literature

Sakena Mezette Anderson Phillip Eugene Augustine Sarah Nellie Bergmann Steven Bruce Berkowitz Max Jay Bobys Helen Rose Bradley Dorinda Afable Capole Eunhee Cho Mi Kyong Cho Marti Lynn Daniel Karen Anne DeSantis Diane S. DiMasi* Sydney Janet Dorfman Mary Jo Banfield Dorough* Mary Victoria Edwards Edward E. Elliott Lisa Marie Fager Elvin Dexter Foreman, Ir. Denise Darlene Frye 2nd Degree: English Education Elizabeth Anne Galo 2nd Degree: Theatre Kirsten Renee Glacken Lynnette Marie Gonzalez Matthew E. Goshko **Benjamin David Gross** Donald Edward Grove, Jr. E. Lee Guttman Kimberly Marie Hahn Joseph Kevin Hall Salla Maria Hauvonen Soraya Lola Homavouni Stephen Paul Hudak Colleen Ann Hughes Alida Cecelia Iames Shawna Tonyett Jones Cynthia Chien-Hsin Jong Colleen Jennifer Joyce James Garrett Kell Sean David Kelleher Vernon Don Kimsey* Beth Marie Krawczyk Rosalie Ann Lacorazza Suzanne Kristin Law Melisa Kim Long Mary Celeste Lucid Jefferson Karl Lunsford Alec Norman Macdonald Julie Ann Magaziner Kieran Christopher McHargue Carla Jean McNamara Nicholas Enrique Mendoza Erik Paul Miller Lori M. Monsky Kathleen Louise Mullins Don Edwin Nicholson Thomas Joseph Nochera Timothy Joseph Noonan Ainisha Bikira Orton 2nd Degree: Psychology Laurie Ann Pinsker 2nd Degree: Linguistics M. Deborah Potes Nancy Johnson Powers Erika Christine Rath Ginger Mattea Replane Elaine Barbara Robles Ronald Ross Roundy Melissa Avn Scaletta Michael Cahill Shav Robyn Lori Shifrin Kimberly Michelle Simpson Kimberly Sue Smith Tiffanie Renae Smith Brian David Sobus Karin-Heidi Sommert Dara Afia Sparks Steven Charles Surasky Daphne Leigh Swancutt Lorna Anne Sved Delia Ann Tanger Teresa Nicole Taylor Jeffrey Michael Tsuruoka Katherine B. Waldrop Robert Eugene Walsh Michael Joseph Ward Daniel Matthew Weinstein

French Language and Literature

Marta Berhane 2nd Degree: Apparel Design Kika Bénédicte Bombeke Lynn Michelle Boykin Françoise Madeleine-Alberte Henriette Shana Lee Kilness Stephen Joseph Lechert III Meredith Jeanne Marsh 2nd Degree: Journalism Lauren Justine Olson Homa Sadeghi 2nd Degree: Interior Design Kimberly Michelle Simpson Lisa Irene Walsh Jennifer Joelle White 2nd Degree: Electrical Engineering Julia Christina Winkler Jennifer Anne Yates

German Language and Literature

Brian Dean Demmler Suibel Mavi Helmig Jeffrey James Surak Scott Christopher Thoma

History

Lee David Bacon Juan Manuel Bofill Herbert Richard Wright Brewer, Jr. Coral Mahialani Caboga Joseph C. Catania* Richard M. Crary Robert E. Danegger Krista Ellen Davies Michael Andrew DeRosa William Bern Dickinson, Jr. Keith A. Fellenstein Coriolanus Aurelius Iustinian Ferrusi 2nd Degree: Criminal Justice Aldo Gonzalo Figallo Carmen Lazar Gentry Samuel A. Gilston Dawn M. Green Gary Roy Harmon Jung Hyan Joh Matthew Kent Kaplan Matthew John Kinnahan Charles Edward Kirchman James Folbre McDonald Hannah Louise Meurer Martha Lynn Middleton Christopher Adam Montesano

Christina Marie Nemil Karl Richard Neumann Edward Warren Olmsted Kenneth A. Olson Christopher John Francis Romano Julia Gaynell Savona Tara R. Scholtz James Frederick Weaver Tracy Lynn Wilkison† Patricia Jean Wyman

Interior Design

Yijung Chae Reem Abdel-Aziz Hammouda Laini M. Lemper Todd E. Martz Cynthia Louise Sauvageau Tara C. Shon Frances Jo Simpson Tamara Lynn Stisitis Dat Tien Vu Susan I. Walker Kelly S. Werkheiser Hilary Wood-Jenkins

Italian Language and Literature

Jewish Studies

Joseph Michael Toscano

Ruth Ellen Cheifetz

Linguistics

Laurie Ann Pinsker 2nd Degree: English Language and Literature Carol Ann Sniegoski* 2nd Degree: Computer Science

Music

Julie Anne Gibson 2nd Degree: Speech Communication Beth Allison Greenberg* Hae Ryong Pak

Philosophy

Charles Andrew Jamison Julie Elaine Sieracki

Radio, Television and Film

Kathryn Anne Ashton Jeffrey Scott Becraft Kristen Lvn Bohn Stacy A. Boniello Lisa Debra Bussell Heather Reneé Chadwick Patrick J. Charles Antonia Renea Cheatham Gary Edward Cnare Vanessa L. Durst Bradley David Dwin Debra Iane Fisher Zachary Lee Fisher Sausan Rasim Ghosheh§ 2nd Major: Government and Politics Robin Elizabeth Gordon Lea Ann Hepler Glen John Koepenick III Brian Kushner Yoon Chul Kwak Jason M. Leifer 2nd Major: English Language and Literature Bradley David Lewis Marlina Lanette Lewis Craig P. Mauro Stacey Vance McClendon Pamela R. McLaughlin Kevin Robert Mullins Kathleen Megan Murphy Jeffrey Robert Murray Steven Michael Newhouse Charles Robert Rando Jonathan Scott Reamer Neil Joseph Reddy John Dennis Richards Karl William Rohner Avinoam Nessim Sabban Deborah A. Savo Christopher Charles Tarbox

Oren Tishman Clayton Case Underwood Eric Vincent Valencia Sarah Catherine Whorton Waters Eric Craig Weisberg Candace Heather White Carla A. Witt Gerald Wright

Romance Languages

Christina Wren Brinson^{*} Katrin Lynne Marshall Carmen Beatriz Mieres Ailsa Cherylin Sandy

Russian Area Studies

Melissa Eileen Leung

Russian Language and Literature

Chanita Baumhaft Andrew W. Felix

Spanish Language and Literature

Richard John Basili Alphonzo Jerome Butler Hae Jin Chung Kirsten Marie Dahlberg Jennifer Lynn Eller Susan Elizabeth Garrett§ 2nd Major: Linguistics Mitchell Charles Levine Clare Victoria Cambell Mardall Robert Karl McIntyre Martha Blanca Palmer Maria Elena Pedroso Mariela del Mar Perez Isabel Paes Saboia Carla Christina van Beek*

Speech Communication

Daniel Marius Barbattini

§ Summa cum Laude † Magna cum Laude * cum Laude Theodore Murray Barkley Jonathan Edward Best Suzanne Nicole Bottari Valerie Belinda Coleman Daniel DeArmas Glenn Townsend DeBell Melanie lo Dillon Jenniter Christine Fink Robert Alan Fredman Julie Anne Gibson 2nd Degree: Music Deborah Lynn Hurwitz Michael William Jarmolowich Michael Jay Kogon Terri Ann Lankford Gina Maria Liberto Rita Marie Madden Tara A. Rivera Ronald Jerome Robertson Iulanne Dee Schiffer Bridget Elizabeth Schuma Suzanne Carroll Sweeney Charlene Washington Douglas Scott Weinstein

Theatre

Sarah Michelle Baum* Tina Marie Clifton Joseph Paul Fickus III Elizabeth Anne Galo 2nd Degree: English Language and Literature Steven Edward Hadnagy Cristma C. Hunter Timothy R. King

Bachelor of Science

Advertising Design

Julian Anthony Downs Eric Scott Goodman Gordon G. Lee Chia-An Liu David Alexander Lloyd John James Walker Joyce Zebede

Interior Design

Holly Lynmarie Mahurin* Homa Sadeghi 2nd Degree: English Language and Literature Erica Paige Simkowitz Kristen Ann Sirvet Leslie Ann Vance Rita Benedetta Zarrelli†

COLLEGE OF BEHAVIORAL AND SOCIAL SCIENCES

Bachelor of Arts

Afro-American Studies

Richard Russell Harris, Jr.

Anthropology

Grant Edward Capes Vincent Matthew Harper Cassandra Marie Michaud Tamara Lyn Phillips Lisa Anne Platnik Afeefa Syeed Janet Michelle Wehrle

Criminal Justice

John Scott Arnold Gamal Francis Awad Tammy Lynn Bassin Bernard J. Bishop Richard Jetfrey Brake Joseph Lavell Brown Alison Lee Budd LaKisha Denise Bullock Jenniter Lynn Burke Basilio Ignacio Cachuela, Jr.

William Edmond Clifford III Craig Newton Coldwell Osmund Ellis Crawford Patrick Joseph Curtis, Ir. Alphonso Boymah David Christine Ann Duser Seth Philip Edwards Sherri Lynn Exum* Coriolanus Aurelius Justinian Ferrusi 2nd Degree: History Jay Jarrell Fischetti John Victor Gazmen Kevin Lee Geisbert Hillary Zoe Goldberg Barry Seth Goldenberg James Edward Grenning Carol Anne Harriday Shavonne James Daniel Joseph Jennings Pamela Denise Johnson Sherry Anne Julien Samuel Jay Kolb Michael Wayne Kropff§ Enré J. Lanev Mark Christopher Leonard Robert John Lutz Michael Thomas McCaughey Megan Marie McDonald Kevin Michael McNamara Denise Rochelle Mehr Scott Warren Montgomery Chad Ronald Moreland Laura Lynn Morgan Gibbs Soga Murayama Todd Douglas Nalley Michelle Lauren Needleman Gregory Brian Nehman Timothy Brian O'Neill Paul Cyrus Otooni Edward Earl Pallas Jeffrey Dennis Pasternack Shawna Elaine Patton Patricia Jean Peavler Steven Douglas Phelps Jason Scott Potyk* Bruce Anthony Rayne John McCabe Rayne

Regina Marie Ricciuti Christina Marie Riedl Derek Lloyd Ringers Fernando Xavier Rios Barry Gene Robinson Daniel Rubin Rutschke Brvan lerome Sarver Sarah Hee Sun Schanck Seth David Scharf Lauren Gaile Schneiderman David Andrew Semple lanthe Lee Smith Jaison Samuel Sokolow Ionathan I. Stecker Derek Lee Steele Michael Alan Stine Brian Arthur Stumphauzer 2nd Major: Sociology William Jerome Thomas Philip Pei-Chih Tou Timothy Perzanowski Turer Laurence Ian Vermeer Christopher James Weiss Mark leffrev Weissman Devin Christopher White Edward Brian Winston

Criminology

Theodore Emanuel Anderson Marc William Anthony Debra I. Brockdorff Kimberly Oneida Coleman Natasha Nicole Criss Patrick Marce Gilrov Julie Ann Johnson Heather Michele Jones Katie Lynn Kelley lvv Paula Kohn Linda Sue Lindsey Erin Eileen Lynch loel L. Nelson Pamela Lee Norton* Richard Arnold Parreco Laura Bridgette Perry Derek Sabedra Margaret Christienne St. George Shannon Reneé Thompson George Gregory Whisner

Criminology and Criminal Justice

Theresa Diane Derro Kurt Joseph Ellinger Christopher C. Light Jeffrey C. Perry Rinell Randolph, Jr. William Daniel Severe

Economics

Abdulrahman Ahmed Abdi Matthew David Altman Shawn Michael Armstrong Susan S. Bak Patrick Terence Bassett James Michael Bitgood Arthur Colin Bonds Linda Ann Canty Ravi Choudhry David Wesley Conner Edward Paul DeBiasi Carron L. Dunn Patrick L. Fennell Omogwefe E. Gbemiye-Etta Brian P. Gilday Peter R. Glasgow* Jeffrey David Johnson Aniket B. Joshi Sanjeev Kalanidhi Ari Karen* Do Young Kim Thomas Sargent Kim 2nd Major: Sociology Viola Kuo Roberto Jimenez Lagdameo, Jr. Michael Charles Long Joseph Acheson Mathews Derek Lee McKelvev Judy Simone McLaughlin Peter Meringolo Bret Lyle Mingo

Christopher Carter Neal Joseph Bang Nguyen§ Tuan Huu Nguyen John Robert Nicolosi Brian Carl Peluso **Connie Lorraine Pendergrass** Lori Pikulsky Latithia Rochelle Prince Benjamin Gooding Proctor III Steven Carroll Pycha Ziaur Rahman William Franklin Rivers, Jr Timothy Chad Root Charles Eugene Rucker, Jr. Steven Paul Schriver* Matthew Stone Shearer Andre L. Smith Steven Ion Snyder§ Meredith Lee Swart Matthew Kirk Thornton Iulie Lyn Travers David Lee Vander Velden Bonnie Marie Walsh Stefan Andrew White* Andrew Allen Widman Matthew S. Yablunosky laime Teodoro Zeas

Government and Politics

Sahel E. Ahvaie John William Barley Susan Elizabeth Batt Todd Robert Bettin Michael Lance Bouvé Barbara Ann Bridgeforth Marc King Brody Coral Mahialani Caboga James Christopher Cantela A. Christopher Cap Tina Marie Cappetta* Erik Marcell Carev Nathan Scott Chappell Joseph E. Clavelli Matthew Corn Claudio Vinhote Costa Tara Coleen Cronin

Stephen Robert Devine, Jr. Erin Paula Dougherty Glenn Porter Elliott* Michael J. Fahey Carmen C. Faye Edward Paul Ferko, Ir. Frank Joseph Ferrara Charles Douglas Fisher Sean Patrick Fleming Scott Robert Fredericks Ivan Michael Freedman George Demetrios Garbis John Champion Gardiner Elaine D. Gaynes* Karen Yvette Gentry Anabela Carmo Guedes* Sean Patrick Harris 2nd Major: History Christian Adrian Hoffman Howard Benjamin Hoffman Michael Patrick Hoffman Michael Ross Hofman Brian Mark Hofmeister Tracy Elizabeth Horst Miguel Alan Hull 2nd Major: Economics Todd Allan Irons Joseph Michael Jardina Kevin Edward Jenkins* 2nd Major: History Edward Guion Kain Brent Arondel Kearney Sureka Vijavakumari Khandagle John Paul Kittelton Takeshi Kojima Doris Man-Kuen Lau Robyn Louise Laub 2nd Major: Philosophy Joung Ho Lee Raymond Victor Lee Stan Young Lee Stacy Kay Lewis Donald Richard Longway Daniel Edward Lord* Kevin Brett Lotenberg Wendy Sue Louder George Dent Lynch Ill

Michael Joseph Maas Jerry Allen Mallow James Wilson Marshall Danielle Suzanne Martin Nathanieł Varney Massaquoi Francine Louise McCabe Stacy Ann Mc Carthy Gilda Claudine McCullough Kevin Brett McGonnigal Roy C. McGrath Karen Ann McInnis Deonne Karole Medley Rhonda Michelle Melton Douglas Justin Morgan Nicholas Mouviaris Gregory Scott O'Connell Scott Russell Palmer* Robbie T. Perry Robert Andrew Peterson Daniel Eric Pollner lennifer Kathleen Ramsay Brian David Rappaport Thomas James Reller Robert D. Rich Federico Jose Romero Carolyn Beth Ross Charles Linwood Ross III 2nd Major: Economics Heather JoAnne Rowe Kristin E. Ruybalid Ayse Aydan Sahin Jay Howard Samuels Melissa Ruth Sandler Andrea Justina Schinzel Heather Collen Scott Frederic Francois Sevin* 2nd Degree: General Business and Management Keith Andrew Sexton Leah Michelle Simone Jeffrey Raymond Soeken Gregory Carl Soergel

* cum Laude

John Loring Watts§ Andrew Neal Weber David Randall Wheeler Tara Leigh Wilson Roland Antonio Yanez Michael A. Zangardi

Hearing and Speech Sciences

Jennifer Lee Brannon Rebecca Jean Caplan^{*} Denise Elaine Clarke Theresa Lynn Day Jennifer Ann Feldman Joyce Sung Kang Andrea Mae McGinnis Erika Lynn Vorosmarti

Psychology

Benjamin Gregory Baron Jeneé Michelle Bevett Elvnne Tooky Bunnag Denise L. Burns Maria Dawn Calain **Corinne Emily Calis** Bryant Carter Mona Chopra Chervl I. Coates Elizabeth Cameron Cook Josephine Frances Corigliano Lesli Ieneen DeGross Michelle Lorraine Deskevich Deana Lynn Dietz James Lawrence Doyle Andrea Corrinn Dumas Stacey C. Elner **Richard Brent Eskav** Laurie Michele Fine Barry Todd Freedman Beth Alexandra Goldberg Bobbett Albertha Grev Judith Naomi Grossmant Kimberly Anne Halman Mildred Rae Hart Karen Renee Hemphill John Joseph Horstkamp, Jr. **Julie Esther Huntington** Leslie M. Irish Christiane Brigitte Jaath†

Adam Logan Kaplan Douglas Kaufman Angel Lynn Kemerer Daniel Jason Kraus Michael John Lau Sean C. Lesane Sung W. Lim Lionel Lourenco Stephen Philip Luckabaugh Lisa Marie Manfreda Michelle Lee McLaughlin Carol Suzanne McMunn Michael Eugene Moon Marlin Ruth Moses Kwang Heng Gregory Nah Adam Lawrence Nelson Ainisha Bikira Orton 2nd Degree: English Jacqueline Overton Shirley Manikan Pałma Robert Charles Payton Audrey Beth Pessin Melissa Marie Pickell Scott Christian Redmond Michelle Elizabeth Rodriguez* Christopher Edwin Rohde Tamara Anva Sadowski Rena Lynne Schwartz Robin C. Shaffer 2nd Major: Government and Politics Jennifer Lynn Shaw Cathlene Frances Smith* Whitney Anne Farrer Stevens Stacey B. Swetlow Lisa Michelle Tenlevt Yolanda Carol Vauss Rebecca Paige Wenk James Bernard White

Sociology

Marcus Scott Badgett Andrew G. Bensinger Roberta Rose Cayer Tabinda Chughtai Nichole Dena Cobbs Angelo Lucien Consoli, Jr. Cecily Allegra Diness Darlene Dukes Leena Helen Figall Melissa Sharon Fireman David Robert Heisler Angela Maria Herring Karen Marcey Hillman Richard R. Howard* Hilary Nicole Kandler David Scott Kastberg 2nd Major: Government and Politics Gideon Samuel Kloze Shawn Patrick Knott Craig Linn Regina A. Macwan* Ana Maria Madarang Diahanna Yvonne McLaughlin Peter J.C. Moffatt Nicole Sherrice Norwood lan Tate Penn Pamela Ann Pisciotta Gail Beth Pollack Thomas Mathews Proctor, Jr. Debra Joan Reinfeld Janna Beth Ryan Kathleen Rvan Keri Ann Sferra Robin Michele Soflev Andrew Van Rensselaer Stickle Paul Miller Tewksbury Nancy Alice Turner Constance Hope Ward Deborah Ann Weir Iulie L. Williams* Lori M. Williams Barbara Anne Wolfsdorft Rita Jane Wood† Dawn Denise Young

Urban Studies

Michael Ray Binder Charlynn Cherri Cockfield Matthew James Downing Kelli Lynn Duvall Alfredo Javier Echeverria Abir Salah Elshanawany Richard Green Ensor, Jr. Albert Vincent Esposito

Harold Joseph Gill Brian Anthony Hendricks Ross Spencer Hoffman Alisha Louise Irby David W. Jacobs Saumva S. Kaup Minh O. Le Alexander Edmond Lee James Rodrigo Mora Jorge A. Moreira Matthew Ross Ovington **Denise Lin Papantones** J. Sylvester Plater Richard Brian Polinsky Jason Ouan Scott Mitchell Rabinowitz Marc Dolgin Reibman Keven L. Ricks Judd Stephen Rosenberg Michael Evan Salz Steven Michael Schuble David Alan Self Brvan Frederick Snell

Bachelor of Science

Geography

James Fitzsimmons Bayne Todd V. Birckner Miguel Jose Gonzalez Mary Ann Hartke Philip Keith Hissom Joseph Robert LaPalme Curtis Patrick McCandlish John Frederick Moomau Jon Edward Sandelin Garry Wayne Snyder, Jr.

Psychology

Jeffrey Russell Dean Angela H. Dizelos Gerri Ann Fisher 2nd Major: Family Studies Courtney Lee Hasslinger Theresa E. Jones Julie Ann Kraff Michelle Lynne Lewis Marcus de Sean Moss Denise Karen Parker* Steven S. Pasternak Mary Elizabeth Schultheis Cindy Shawki Shiblie Erica Beth Stein* Sanjukta Sur Amy Lynn Weeks

COLLEGE OF BUSINESS AND MANAGEMENT

Bachelor of Science

Accounting

David S. Ahn 2nd Degree: Transportation Jae Hong Ahn 2nd Degree: Finance Douglas Clinton Allent Richard Barry Allen Brian Andrew Amtmann Scott Cromwell Anderson Jovce Elizabeth Angus Lonnie Scott Applefeld Mahadere Atnafu Sameer Bagai C. Andrea Banton* Alicia Belinda Block* Bridgette Anne Boyd Alan Fredric Brenner Craig Lee Brogan Christopher Alan Catignani Mary Yuet Sheung Chan Li Chen Anthony Yong Cho Ki Song Choi Evan Chuang Kay Kyung Chung Alisa Diane Cohen Michael Alan Cohen **Richard Thomas Davies** Gregory David del Real

Vincent Michael DiSandro, Jr. Stephen Edward Douglas Alfred Joseph Dumit III Bobbi Jean Dunlap* 2nd Major: Finance LeAnn Michelle Duvall Julie Lynn Dyce Kevin Christopher Fallon Alan David Feder Scott Edward Fireison Swati Pankaj Gandhi Valerie Lynn Gay David Christian George* Peggy Annette Giles Richard Todd Gorsuch Nidal Elias Haddad Gary Alan Hall 2nd Degree: Finance Michael Anthony Hatfield Karen Elizabeth Heafy Ryan Harrison Henningway Scott Sam Herold Lisa Randi Heyman Terence Jon Hooper 2nd Degree: Finance Jeanine Marie Howe losefine Hsu Jennifer L. Huber Denise Ann Huguelev Christopher Scott Huseman lean lafari Cornell Xavier Iones 2nd Major: Finance Amy Regina Kanjiant Gary Stephen Kell Kyung Hyun Kim Sarina Kurian Jennifer Y. Lee Kvong Hee Lee Cvnthia Ngarwai Leung Andrea Mary Levine§ Karen Michelle Lohfeld Todd Stephen Lovinger Stacie Anne Marchigiani Jane Dale Marks Neena Masih 2nd Major: Finance

Letitia Rose McElroy Margaret K. Moon* Savako E. Morgan Kenneth Edwin Moy 2nd Major: Transportation Dennis Patrick Murphy Minh-Hang T. Nguven Chinh P. Nuven Douglas Robert Palmer Christian Lee Parks Dana Jayne Planalp Dora Ann C. Pleasant§ Patrick Michael Puzzuoli Daniel Christopher Raby Stephanie Daune Rast Leila Eiko Ribeiro David L. Rogofsky Tatvana Rosenbaum Marci Lynn Rosing Jennifer M. Ross§ Julie Leigh Roth Daniel Howard Ruttenberg 2nd Major: Finance Christopher Attillio Scardelletti* 2nd Major: Finance Trenna Ann Schools Michael Warren Scott Matthew Joseph Seubert Heather Cox Shannon Sushma Shrestha 2nd Major: General Business and Management Annette Michele Simmons Stephen Matthew Sisson William Paul Smith, Jr. Robert Chapman Stevenson Anthony Michael Stolarski 2nd Major: Finance Jennifer Elaine Storer Siau Fui Rosemary Thien Jennifer Frigillana Tiu len Hwie Tjioe 2nd Major: Finance Mary Jean Tragesers Lawrence Martin Wang William Richmond Weible **Paul Jeffrey Wheeler**

Mary Beth Wigger James Dale Wilburn II Gerald A. Williams, Jr. 2nd Major: Finance Cindy Chi-Tsung Woon Victor Anthony Zangla Craig Michael Zimmermant

Finance

Jae Hong Ahn 2nd Degree: Accounting 2nd Major: General Business and Management Heather M. Alsop 2nd Major: General Business and Management Margaret Lucia Andrasik† Frank V. Angiuli 2nd Major: Marketing Ferrari Argubie Terence Joseph Barnett Amy Marie Bartlett 2nd Major: Marketing Joel Eric Belcher Michael Fillers Bolen 2nd Major: Marketing Kimberly Ann Boulmetis Hall Frederick Butler* 2nd Major: Accounting Carlton Eugene Carter James Montgomery Clark 2nd Major: Accounting Katrina Michelle Collins David Lawrence Crabtree Daniel Joseph D'Orazio Ross Stewart Dence David M. Denlinger 2nd Major: Marketing Kenneth desGarennes Robert Alan Donnelly II 2nd Major: Production Management John Paul Egan Timothy Scott Eshleman Sheikh M. Fahim Scott S. Fitterman Robert Christopher Flandrau Brett Jefferson Fogle

Clarence Brian Givens Paul Jason Glashofer James Barnett Gooding Dilhara N. Goonewardena Gary Alan Hall 2nd Degree: Finance Philip Kwok-Keung Ho Stephen Lewis Hoffeditz 2nd Major: General Business and Management Terence Jon Hooper 2nd Degree: Accounting Kelly Douglas Jacobson 2nd Major: General Business and Management Abdul T. Jewavni Donovan Owen Jones Howard Neil Katz Allie Kermanchi 2nd Major: Marketing Robert Richard Kloss Bronislaus Leon Kosiorowski II Steve Kvongho Kwak Donna Marie Lamb Brian T. Lawrence Thuan Anh Le Jong Hak Lee Uen M. Lee 2nd Major: East Asian Languages and Literature Kevin Frank LeSage Douglas Lawrence Lunenfeld Alan S. Lungen Mark Ewing Luther 2nd Major: Marketing Amit Manchanda 2nd Major: General Business and Management 2nd Major: Marketing Larry Otis Marlowe 2nd Major: Transportation Gregory William Matthews Andrew Garth McLay* Andrew David Mendez* John M. Millent Susan Mitchell

2nd Major: Marketing

Donna Michelle Motley 2nd Major: Marketing Martin de Porres Musaerenge Navjeet Singh Oberai 2nd Degree: Management Science and Statistics 3rd Degree: Computer Science Aida Ordoubadi 2nd Major: General Business and Management Scott Anderson Palmer Rasesh Chimanlal Patel* 2nd Major: Accounting Aslam O.S.H. Patmah Kevin Victor Pinto Michael A. Postal Elizabeth Stacy Randall* 2nd Degree: General Business and Management Idan Andy Ravin 2nd Degree: Marketing Vincent Roper Redmond Lisa A. Ricchiuto Scott David Roberts Farrukh Saleem 2nd Major: Marketing Laura leanine Sambataro 2nd Major: General Business and Management Mohammed Shamari 2nd Major: Accounting Sharon Elizabeth Snodgrass 2nd Major: Marketing Lawrence Ray Stauffer§ Tracy Romaine Swann 2nd Major: Marketing Vincent Kok Khoon Tang Melissa Trautwein Sarah Pauline Vollmer 2nd Major: Economics Eric Christopher Wasiuta Barbara Wojcik-Betancourt Steven Douglas Wood Meng-Yuh Wu

General Business and Management

Rana Michail Al-Haj 2nd Major: Marketing Robie Jamil Aridi 2nd Major: Transportation lames Randall Ates Sylvia Anna Balazs 2nd Major: Human Resource Management Valencia Vee Courtney Lise-Lotte Dahl Ami Kulin Desai 2nd Major: Transportation Ioanne R. Dicks lason Scott Drass John Paul Fregly 2nd Major: Production Management Donald Martin Gakenheimer James Timothy Gallagher Thomas Peter Genovese* 2nd Major: Marketing Hope Devorah Ginsberg Etan Zvi Gopstein Sudha Natarajan Gounder Iennifer A. Greene 2nd Major: Transportation Csaba Hadas Timothy James Hatfield Mehjabeen Hussain 2nd Major: Marketing Eric B. Kjome Raymond A. Kline Eric Leslie Klun Chiang Kevin Ku 2nd Major: Transportation Peter John Lahny IV Charlene Ruth Land Shin la Lee Stephen James MacBride 2nd Major: Production Management 2nd Major: Transportation David James Mazzullo Tonga Ngoc Nguyen Sean Del Parker Scott Matthew Pearce Michael William Poole 2nd Major: Finance

§ Summa cum Laude † Magna cum Laude * cum Laude Elizabeth Stacy Randall* 2nd Degree: Finance Scott Thomas Rapson Douglas E. Rosst Frederic Francois Sevin* 2nd Degree: Government and Politics 2nd Maior: Transportation Parastou Shahpoori 2nd Major: Marketing Kimberley Anne Styc J. Rufino Bernabe Tortona Lake Denman Trout Gregg Edward Viola Raymund William Wall III Mark Ivan Wiener Barry Dean Williamst 2nd Major: Marketing

Human Resource Management

Yvette Sabrina Armas Amy Therese Devereaux Linda Elizabeth Gillen Christopher Brink Lawson Wendy Lynn McGill Thomas John Mitchell Lauren Wendy Pasekoff Amy Elizabeth Plett Mary Christine Rebel Shelly Rence SanFelice Debra Marie Todd Cynthia Dionne Watson

Management Science and Statistics

Sameer Akram Bhatti Virginia LáVerne Burhoe Angela Marie Gillis David Richard Heissner Behnaz Moradnejad Navjeet Singh Oberai 2nd Degree: Finance 3rd Degree: Computer Science Bentley Logan Perkins Sheila M. Prawoto Sherry L. Rison 2nd Major: Transportation Arash Hashem Sadati Maggie Mei Kee Siu 2nd Major: Finance Marvann Wyatt

Marketing

Peter Andrew Ahearn 2nd Major: Transportation Robert James Alvarado Andriana Marie Bóveda Marijuana Dawn Brockington Steven John Brower Lisbet Christina Cehrs 2nd Major: General Business and Management Nitinart ChArtsiriwatana Maria Sofía Chellew Bobby Cherian Kevin Lee Corsiatto James Michael Costello 2nd Major: Transportation Jenevieve Maria Creary Ronald Jeffrey Danaher 2nd Major: Transportation Patrick Andrew DeHart Emmett Christopher Edwards, Ir. Aimee Elizabeth Firor Rebecca Leah Goldchain 2nd Major: Management Science and **Statistics** Lisa Robin Goldston Christopher Allen Graham 2nd Major: Finance John Franklin Graves, Jr. Bruce Gregory Guinn Marcia Hillelsohn Michelle Anne Iulian 2nd Major: General Business and Management Jenny Joo-Yun Jung James Quinton Kohler III Shelly Lee Krejci Daniel Langdon Adam Douglass Lesnick Timothy Brooke Marshall Vernon Wesley McCabe III Amy Elizabeth McCall

2nd Major: Transportation Rebecca Lynne McClelland Michael James McCormick 2nd Major: Human Resource Management Iennifer A. McDowell 2nd Major: Radio, Television and Film Patrick Kenneth McGinness Ionathan Edward Michael 2nd Degree: Transportation Heather Maria Miller Michael Patrick Mullaney Minhtam K. Nguyen Michelle Ann Partilla 2nd Major: Transportation Priti Vijay Kumar Patel Sean Fitzpatrick Persaud Idan Andy Ravin 2nd Degree: Finance Kelly Ann Reilly 2nd Major: Finance Cynthia Ann Ritchie Scot Mathew Schneider Brian Marron Scholder Karen Ruth Terry Desiree Danielle Valltos Michael Thomas Wills Kevin C. Wong

Transportation

David S. Alm 2nd Degree: Accounting Jae Yong Baik 2nd Major: Finance David Adam Burke Michael Nathan Kahrnoff Eric B. Kiome Mark Ray Lucas Paul Steven McGreen Jonathan Edward Michael 2nd Degree: Marketing David Caldwell Price 2nd Major: Human Resource Management Joon Suh Cynthia A. Wolf

COLLEGE OF COMPUTER, MATHEMATICAL AND PHYSICAL SCIENCES

Bachelor of Science

Astronomy

Richard Armin Auer 2nd Major: Physics Wesley Joe Butts Raymond Louis Gilbert Jeffrey Christopher Gottschalk 2nd Major: Physics

Computer Science

John Bradford Amato Hossein Arvand Igor Brailovsky Boni Caldeira Cali Chen King Sing Cheung Ramendra Singh Chhina Daniel Mark Cohen Ross Garrett Cutler 2nd Degree: Mathematics Charles Stevens Falkenberg§ **Jeffrey Albert Fink** Randall Alan Gacek Barry Eugene Henderson David Mark Herbert Kap Do Jang Jairaj Suresh Joglekar Stephen Michael Jonest Tip Shan Lam Samuel Paul Hale Lamphiert Rockwood Edmund Lee, Jr. Paula D. Levv Laurie MacCallum Byron James Matthews Dawn Catherine Maurer

Joseph Naft Loc Phuoc Ngo Ivan Sandor Novotny Navjeet Singh Oberai 2nd Degree: Finance 3rd Degree: Management Science and **Statistics** Neftali Pazo-Soto Thanh-Tuyen Thi Phan David R. Raffensperger Timothy Loren Sanders Mark Allen Schleifer Zahid Aziz Shaikh Ramsey Imad Shehadeh Navdeep Singh Carol Ann Sniegoski 2nd Degree: Linguistics Steven L. Soliday Allon Joseph Stern Adrian Bramastra Sumiantoro Hesthetiane Pambayun Susanto Anuradha A. Teachout John Theis Bart Richard Tobalske Hao That Ton Yu-Shih Tsai Vinh Steve Vo Franklin Dean Wade George Fairchild Wallace Hsiaohui Wang 2nd Major: Economics

Geology

Jeffery Chen Carol E. de Romero Christopher Matthews Keane Alexander Edward Smith§ Kevin Loyal Vanderveer

Mathematics

Jeffrey Brian Ator* Pablo Esteban Bonangelino Maria E. Cabrera Richard Henry Crooks Ross Garrett Cutler 2nd Degree: Computer Science Basabi Dutta DiPaula Hilton Harris Hall Robert Joel Hollingshead 2nd Degree: Electrical Engineering David Te-hui Hsu Rajasekhar Jakkampudi Jeffrey Adam Kriner Truyen Canh Lam James Howard Leveque Ill Shani Michelle Littles James John Michalik Mark Thomas Monninger Deanna M. Montgomery Chudi Ifeanyi Onyilimba 2nd Degree: Chemistry Didon Marie Pachner Parag Ramanik Savla Jason Barrett Schaufele Helene Shizu Taira Benjamin L. Uecker Paulo Fernando Uribe Constantine Peter Vlahacos

Physical Sciences

Corey David Burnett Lawrence Alan Corp Dung Anh Doan Madhusudan B. Gohil Phillip Francis Guarino David Chuemlin Huang Michael Joseph LaCola Paul Pui Lee Sung S. Lee Jeranld L. Olmsted, Jr. Daniel Lee Schrader Jerome Vernon Smith Brian Robert Walstrum

Physics

Gilead Kedem Ajoy Amitav Małlik Nathan P. Newell Julie Anne Thomas Thomas Martin Waclo

COLLEGE OF EDUCATION

Bachelor of Arts

Art Education

Kristen Rae Humelsine Steven Anthony McCarthy Kathleen Grant McDaniel

English Education

Denise Darlene Frye 2nd Degree: English Language and Literature Karen T. Hopper Robson Fragoso Leal Cora Louise Strahorn Iulie Christine Wilkinson

Foreign Language Education

Erin Maureen Brady Karen Sylvia Fitchett

Social Studies Education

Paul Frederick Felton III Lana Rose Fiorentino Peter Linden Lizette Marie McGriff Scott A. Zanni

Speech and English Education

Erin Elizabeth Clarke Katana Kimberly Sanford

Theatre and English Education

Laura Gina Cocozzella

Bachelor of Science

Art Education Susan Ellen Geckle

Distributive Education

Cyndee Ann Richards

Early Childhood Education

Michele P. Blaile Margaret Ann Bradley Robyn Michelle Briggs Laura Elizabeth Carroll† Myra Anthea Cephas Carol Jean Corrado* Mary Patricia Courtney Summer V. Cox Jennifer Lvnn D'Asto Robin Diane Durham Lisa Billingslea Edell Maureen English Kelly Irene Eyler Mary Angela Falcinelli Melissa Kinder Fisher Carvn Helene Flannerv Iennifer L. Grant Laura Anne Hameroff* Alvson Debra Heichman Michelle Marlene Isemann Juliet Elizabeth Kyle Lisa Terri Leon Julie Elizabeth Lernert Lillian Stein Lipson Iennifer Aline Lynch Lisa Manning Weschler Susan Elaine Marra Elizabeth Ann Mauer-Stelfox Lori Denise Moorman Janice Louise Pennington Pamela C. Perry Sarah Ann Ramsev Stacey Richardson Cori Kathleen Seltzer Rohrer Dorothy Virginia Rowell Kara Lynne Ruppel Elizabeth Louise Schneider Stephanie Christen Sieger Theresa Ann Smith

Mindy Joyce Spector Angela Marie Facchina Standish Saranac Ann Story Halley Lyn Strauss Christine Eugenia Sturek Lynn Marie Suarez Janice Ann Trawinski Nancy B. Werning

Elementary Education

Pamela J. Ferraro Augustine Andrea Hildegarde Bassing Samantha Sarae Bilger Cynthia Eleanor Brooks Sandra Christine Camden Margery Cammarota Nicholas Brian Carlucci Amy Elizabeth Clark Lucinda Dawn Coddington Rikki Beth Cohen Leslev M. Colabucci Katya Mariel Cordova Jane Anna Cotone Gina Leigh Crogan Donna Lynn Davis Io Anne DiNovo Mary Patricia Donoghue Barbra Lynn Dortch Colleen Marie Dougherty Mary Patricia Doyle Amy Kathleen Hutchens Rachel Albert Janney Lisa Christine Kaufman Jo Rita Anne Kellev Diane Marie Kramp Kimberly Maureen Leaman Pamela Grace Leith Karen Lynn Liebowitz Christine Leone Lukens* Carrie Marie McCauley Jennifer Anne McCullum* Mary Theresa Moriarty David Franklin Osborne, Ir. Nichelle Deneen Owens Ame Helen Ressing Bonnie Lynn Ringer Jill S. Ringler

Sheila Elizabeth Rohde Karin Blair Ruyle Charlotte Louise Ryn Wendy Lynn Simpson Sallie Marie Smith Jennifer Lynn Sparks Dorothy Marie Stegle Lisa Jean Wehausen Lori Kay Yaag* Maisoon S. Zaghal

Industrial Arts Education

Paul Joseph Irving†

Industrial Technology

Gloria Ana Aparicio Steven Hall Bernheisel Yann Alain Bertaud Dale Edward Bobo Roberto Caicedo Robert Michael Deck David Christopher Graves Lawrence Reed Harris III Ann-Margaret Jean Philip Robert Nolette, Jr. Jeong Wook Son Wardell Anthony Thomas Sharon Teresa Toepfer

Mathematics Education

Gregorv John Lertora Karen Jovce Petter

Music Education

Debra Elizabeth Blackburn Scott Stephen Cimmo Angela App Honan Debora Kay Hood David Brian Lee Douglas Arthur Mixer

Science Education

Laureen Michelle Brock Gina Lynn Cash David Marshall King

Social Studies Education

Pamela Dianne Blaney Kathy Jo Boyer Geoffrey Alexander Marshall Elizabeth Ann Mayer Lisa Ann Scott William Roy Vernola Andrew Hubbard Williams

Special Education

Sheila Denise Mulcahy

Speech and English Education Kristin Eileen Pool

Theatre and English Education Eileen Marie Green

COLLEGE OF ENGINEERING

Bachelor of Science

Aerospace Engineering

David Isaac Carl Michael Bruce Dovle Paul S. Freeman Leonard Frederick Gieseker IV* Daniel Hailu Hoang Thai Hong William Henry Huang Robert Ambrose Jochum Hyun Kang Jeffrey Neal Kinsey Andrew R. Kopsidas Luis Vicente Kruger, Jr. Scott Karol Kuczma* Steven Patrick Kuester Kevin Andrew Lewis Leonard Victor Magday Gerard Francis Marks

Thomas Patrick McDermott III Michael Lynn Miner Jeffrey Patrick Sachsel Mark Steven Secunda Andrew Jason Shank* Boris Sinalevich David D. Webb Scot Andrew Williams Steven Paul Yeager

Agricultural Engineering

Paul Jonathan Hishmeh

Chemical Engineering

Chun P. Chon Ernest Ogbang Ettah Malek Issa Masoud Tima Michele McGuthry Isis Karin Otero Nafiseh E. Pourhassani Edward W. Reich 2nd Degree Undesignated Engineering Jeffrey Lynn Santos Eric Scott Shaffer Thuc Doan Vu

Civil Engineering

Amir Imtiaz Ahmad Ronald Howard Bodkin Timothy Craig Brenner Michael James Castellano Lee Edward Davis Brian Keith Dela Barre Paul J. DeVivo Christopher W. DiDio Virginia Lynn Edmiston Thomas Michael Fowler Michele M. Garcia 2nd Degree: Architecture Edward Timothy Garrett Frank S. Haiss Richard Neil Jeng Timothy Mark Johnson Dimitry Alexander Kargman Gina Kathuria Jamshid Kazemi

Robert Antonio Lim Tristram Edward Madden Claudia Yvonne Marx Andrew T. Mattocks Thomas Michael McFall Mark Stockwell McGaughan Robert Babak Minai Stephen Keith Nolan Patrick Nnamdí Nwokeji Yogesh A. Patel Paul Roy Petersen Sean Michael Savage Keith Matthew Schenkel Sally Yu Shih Michael Wagner Stasch James Michael Sunderland* Anita Marie Twedt Thomas Alonzo White Jonathan H. Zhu

Electrical Engineering

Punit Chhaganlał Aghera [acob Amor Berhanemeskel Tenkir Banko Rajesh K. Bansal Kimberley Sue Beall Paul M. Belt Alok Bisarya Bonita Fay Booker Hans A. Breden Arthur Stuart Brostrom Linh Tat Bui Desiree Alease Butler Sung Y. Choi Phil Anthony Crescioli Angela Rose Cuellar Anand Upendra Desai James Lindley DeCamp Daniel Nelson DePuv† Karen Lynn Dotson David Charles Drury Duy Hong Duong Dale Lavern Fahnestock II Brian Keith Fair§ William Edward Freeman Jon Richard Grabowski Robert H. Graves



Darrell Francis Greenleet John Francis Guay Hamideh Hamidein Nicholas Alexander Herbert Robert Joel Hollingshead 2nd Degree: Mathematics Pohsiang Hsut Dannielle Lynn Husingat Shobhan Manvendra Iha Brian Francis Johnson Adam Ernest Kennev hi Ming Lau* Diana Thuy Le Mary Katherine Elizabeth Lee* Peter Isaac Lehmer Fernando P. Lopez Duc Tin Luu Richard Michael Mack David H.S. Meakin Eric B. Mitchell Ai-Ling Irene Ng Cam Huu Nguyen Hai Do Nguyen Yoeng Soo O Cynthia M. Pesket Eric M. Poh Vadim Polyakov* Timothy Scott Raab Tariq Rafique Rajesh N. Raghavan Renu Rekhi Walter Karl Renner Mark Edward Rhoads Mary Kathleen Rimlinger D. Scott Robinson

Rana A. Saad Nikita Saxena Michael Paul Schroeder Mohammad Reza Sedighian William Henry Sell VI Hemangi Dhirubhai Shah M. Mikail Shams Richard A. Smedley* Stacey Leigh Smith Tracey Marie Smith Brian Stuart Sorg Lynn Marie Surdock Tapan M. Suthar Matthew Eric Theurer Vernita Yvette Thompson Mark Alan Thomson Abraham John Waranowitz David Mason Wetzel **Jennifer** Joelle White 2nd Degree: French Language and Literature Mark David Williams Bruce Mundy Witkin David Albert Yacono

Fire Protection Engineering

William J. Burrus Sheryl Lynn Gallahue Mark Hopkins Salvatore Joseph Izzo III Barney Arthur McCollum Brian Thomas Rhodes* Ivan Isami Sonobe Robert J. Thompson

Mechanical Engineering

Arshia Arvandi Craig Leroy Baker Steven Edward Baker Andrew Eugene Bartoszyk† Robert Morris Beaton Lowry Jefferson Brooks, Jr. Nai-Lun Jack Chiang Rohit Dilip Chitre William Chu Kevin Patrick Costinett David Joseph Cunningham

Joel Jacinto De Roché Arpan Surendra Desai Doron Daniel Fields[†] Timothy Leroy Filemyr Mark David Fisher Carrie L. J. Fowler Mario Scott Garza David Brian Hendrickson D. Keith Kirk, Jr. John Ambrose Komsa III Kai Fei Lam Pamela Troy Lambert David John Landis, Jr.† Michelle Lee Scott Sunwon Lee Corry Richard Luckenbach Lerov H. McCauley Susan Lynne McHugh Dale Robert Morey Hanna Khalil Nazzal Thanh Nhat Nguyen George Juan Noya Jacko Charlie Obadia John David Padgette Steven Andrew Renner Richard Weldon Ridley Kevin SungHyung Ro Matthew Eugene Roberts Jeffrey David Salay Lothar John Schroeder Richard Michael Smith Steven Harold Speck George John Stathist Zsolt Robert Szabo Susanne Christine Tinkert Joseph Duane Tramp Anthony Trong Tran Ching-Hsu Ramsey Tsay Dararith Un lie Wen Dean W. Wiggs Steven Patrick Wigmore Roan Stuart Winchester Emmanuel Wong Gwoping Yang Jeffrey Walter Zach

§ Summa cum Laude † Magna cum Laude * cum Laude

Undesignated Engineering

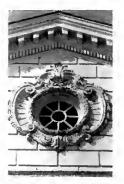
Alessandro Franchi Christopher Peter Jackson Kenneth Joseph Marsala, Jr. Thomas James Naum John Roger Paradiso Edward W. Reich Dara Kimberly Sewell Diane Marie Mitsue Tamai Douglas Howard Walcutt John Philip Weld, Jr.

COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Bachelor of Science

Family Studies

Kelly Lyn Ferrar Michele Elyse Fishman Carrie Lynn Frazee Christine Ann Frazee Kristen Loreine Friedman Rosalind Camille Hill Kelly Ann McCuen



Edith Devon Robinson Courtney Beth Spivok Stephanie Nevins Thornwall Krista M. Webster

Health Education

Carol Lynn Burnett Christina P. Cosca Kristin Patricia Fulmer Hyon Suk Lee Susan A. McSpedon Monique Mégan Paulwell Jennifer Marie Stone*

Kinesiological Sciences

Kevin James Basile Aimee Elizabeth Calistri Mathew Steven Caro Kevin Richard Crowley Eileen Elizabeth Devine Daryl Bronwyn Fox Dasha Marianne Grot James Gregory Hook Michele Lynn LaFollette Robert Thomas Long Susan Louise Newell Jimmy Alexander Newkirk, Jr. David Paul Nobles Brian Albert Nugent William Sean O'Loughlin Michelle Kareem Parsons Cristina Pons Pilkington

Lisa Beth Resnick Gregory P. TeSelle Karen René Threlkel Kimberly Gage Tribles

Management and Consumer Studies

Brian Joseph Burlace Manuel del Valle Douglas Scott Finniff Lorena Todio Fister Robin Leslie Hoffman Dawn Nowell Lawson Shawn Robert Marshall Stacey Lynn Page

Physical Education

Cary David Dimmick Christine Marie Fellona Vicki Lynn Franz Kelli Naomi Myers Edmund Francis Ryan

Recreation

Hillary Joslyn Becker Susan K. Biddle Joseph Mark Dean Sandra Silvana Finetti Mary Louise Johnson Monica Sue Lehr Karen Cecelia Mack Paul Stanley Sappington John Joseph Schulien, Jr. Susan Elizabeth Smith Karen Elizabeth Spotts Patricia Lynne Weber

COLLEGE OF HUMAN ECOLOGY

Bachelor of Science

Apparel Design

Marta Berhane 2nd Degree: French Language and Literature Julie Ellen Burke Linda MyLinh Chung Nichole Christa Delafield Sabrina Ann Huffman JoAnn Ilene Meren Christina Rae Speciale Johnnita LaSheryl Woods

Consumer Economics

Anthony Michael Altieri Vikas Satya Pal Bansal Kamla Cecilia Branche Darren Evan Brandt Byron DeWitt Breland Shaun Alvin Burwell Dena Latreece Carpenter Michael Stuart Cohen Justin Bradlev Cutlip Stephen Charles DiPeri William Bosco D'Souza Bryan Stephen Flood Joseph Vincent Glennon Robert Allen Greer Yosef Boaz Haimes Molinda Marie Hoos Monica Jean Jones Lou Kawlra Amir Hossein Khosrodad Jason Kramer Kirsch Noelle Marie Kominoth Hinwing Lee Jason William Massie

> § Summa cum Laude † Magna cum Laude * cum Laude

Richard Eugene McDonald James Alley Nader Bich Ngoc Thi Nguyen David Ivan Nottingham Abdirizak Yusuf Nur Sebastiao Silvester Pereira Sue Ellen Michelle Peters Darren W. Port Susan Elizabeth Ross Lisa L. Santangelo Karen Elaine Smith Sidney Clarence Smith, Jr. Vasilios Demetrios Stavrakas Benjamin Ernest Tippins Leah V. Warshawsky†

Dietetics

Kelly V. Bowling

Family Studies

Barbra A. LaPointe

Management and Consumer Studies

Anita Bedrosian Patrick Alan Chervenak Danielle Elisa Furman Jeffrey C. Jung Suzie SunJoo Kwon

Textile Marketing/Fashion Merchandising

Julie Louise Bauer Christine Ann Berk Sang Kweon Cho Lillian Anne Cooperman†

Liliana Escobedo Georgana G. Georgiev* Deborah Lynne Gitelson Greta Ann Grav Amy Kathleen Hemovich Dana Leigh Knoll Yolanda Kuo Helen May Lee Holly Elizabeth Mudd Aela Park Laura M. Pochettino Elizabeth Leigh Schwack Jodie Lynn Stearn Renee Michelle Thomas Alexandra J. Trent Shannon Gray Williams Sun K. Yang Heather Leas Zahn

Denise Marie DeLuca

Textile Science

Robin Ellis Taylor

COLLEGE OF JOURNALISM

Bachelor of Arts

Natasha Barr Stephanie Reneé Biddle Rhonda Ann Boarman* Tanara Elan Bowie Victoria Regina Brinson Tanell Denise Coleman Adrienne Denise Coles Brenda Jean Cordwell Aliza Chor-Yin Fan 2nd Major: Sociology Tina E. Fisher Yvonne Busiku Gagne Brian Andrew Goodwin Steven Leigh Hawley Kelley Jenkins Rachel Louise Klebe Carrie Ann Miller Carolyn Sue Myers Angela Monique Phifer Kimberly Ann Steidley Richard C. Tenwolde Rebecca Marm Tickton* 2nd Major: Sociology Jeffery Keith Trilling Brian Scott Ullmann Noelle Marie Wagenhoffer Lynne Carol Wenner Denise Margaret Williams

Bachelor of Science

Luis Filipe Alexandre

Nawal Antoun Asfour 2nd Major. French Language and Literature Katarina Elisabeth Beisler Jack Joseph Boucher Michelle Renae Brus Abby Elaine Caplan Perli D. Cunanan Amy Aizu Feng Kimberly Anne Gale Kathy Augusta Gambrell William Thomas Halcisak, Jr. Dana Samantha Haskins Cathleen Lorraine Hickey Catherine E. Hines Joanne Adamadia Kaouris 2nd Major: Journalism Mason Jay Levinson Marcos William Lindekugel Vivian Cecilia Llodra Lisa Michelle Losito Jane Carolyn Lynch Meredith Jeanne Marsh 2nd Degree: French Language and Literature Robin Lee Mohlhenrich* Jonathan D. Morgenthau Teri Lea Parker Kevin Morris Peck Michelle A. Reed

Nathan Michael Shashoua Jane Biddix Smith Mark G. Steimer§ Mark Joseph Thomas Rolandmarie Ann Turner Julie E. Valentine Lynn Marie Vicchiolla Marc Edward Wexler

COLLEGE OF LIFE SCIENCES

Bachelor of Science

Biochemistry

Nadia Angov Ronald Carl Butler Jaideep Chopra Scot Christopher Collins Asika Kumudini De Silva Mark William Fehrenbacher Mohanimed Aslam Khan Reno T. Nguyen† Vincent Earle Rampersaud Sean Earl Ryder Gagan Jit Singh Ladan Vakili Amer Emelio Cosca Villaruz Nichofas Chi-Sheng Yang

Botany

Sarah Lynn Cronlund

Chemistry

Daniel Thomas Dryden Jeffrey Scott Frashure Freweini Habteselasie David Myers Leffingwell Durgadath Nanan Chudi Ifeanyi Onyilimba 2nd Degree: Mathematics Charles Andrew Piety Freweini Testaledet Chun Hsi Yeh

General Biological Sciences

Mojgan Ahmadzadeh Bernadette Allman Thomas Carroll Beach IV Rhonda Charlene Brandon Jennifer Ann Brennan† Trov André Briibasi Ramon Buhay Calalang, Jr. Norman Pierre Chanaud III Heather Lea Curran Robert Anthony DeFalco, Jr. William T. DiBella David Wayne Dulansev Eve-Lyn Marie Emory Sina Peter Farzin Kathleen Dorothy Flannerv Pamela Anne Founds Tanya Geiger Babak Gohari Patrick Jacque Graux Kimberly Uhrich Gross Monika Katherine Jankowski leffrev Bruce Jarvis Jeffrev Russell King Doratha Claire Klugel Herbert Stanley Lambert III Amanda A. Lara Priya Darshini Lavappa Gai Mi Lee Erin Dean Leff Hasmig Semerdjian Link Shawn Edward Lupold Andrea Lynne Mandella Constantine John Markos Melanie Ann McCall Douglas Eric Morgan Bettina Nicole Pedone Ronald Douglas Pongrac Asif Wagar Rafi Asim Reehan Rafi Elizabeth Iane Rand Stacev Elizabeth Robbins Jeffrey Adam Roberts Leonard Rosenthal

Donald Dobson Stansell II Dana Lynn Thomas Andrew Mark Torgrimson Wendy Renee Williams Dena Carol Wilson Glenn Patrick Wood II Diana A. Zelot Irene E. Zohn

Microbiology

Kimberly Michelle Catlett John Andrew Davis Saudia Shameeza Deen Felicia Joy Duffy Stuart Arthur Gaines Humaira Haider Chiler Hasan Masood Alam Kureshi Deborah Yi-Ping Lee Jeffrey Andrew Payne Thy Phuong Pham Andrew Frank Redman Susanne Marie Riedesel David Mark Weitzman Heui Ra Yoo

Zoology

Jetfries Dawson Bolden Frederick Eugene Brown Tara Louise Burke Francisco G. Comas Thomas James Cunningham Mariorie Devlin Dorak Teresa Kim Hallow **Cisy James** John Charles Maerz III Jessica Lien-Trang Nguyen Sascha Regina Parsons **Camille Anne Peart** Laura Christine Plantinga* Michelle Lisa Redman Michael David Reiser David Michael Revnolds Leslie Ries Alvin Sunguk Ro Eddy Fernando Ruiz Davanthi Rosina Yesudian Amy S. Zullo

UNDERGRADUATE STUDIES

Bachelor of Arts

Individual Studies

Stephanie Natter Todd Eric Roseland Harby Rockwood Tran

Bachelor of General Studies

George John Bregmant Michael A. Crable Brigid Kerr Cummings Emilie Williams Emshwiller Patray Evans Enoch Paul Fickling Larry Gibson Sherry Bendross Green Susan Caroline Hunt Abigail Foxcroft Janssens Spencer Jennings Leech III Jean A. Marchowsky Carl Everett McPherson Kerry Ann O'Day Garrick Wayne Reid Joseph Edward Stump Glenn Alan Zimmerman



Bachelor of Science

Individual Studies

Timothy Scott Dennis Scott Robert Peyser Kełly Lynn Russell Marc I. Tobias

CERTIFICATES

Women's Studies

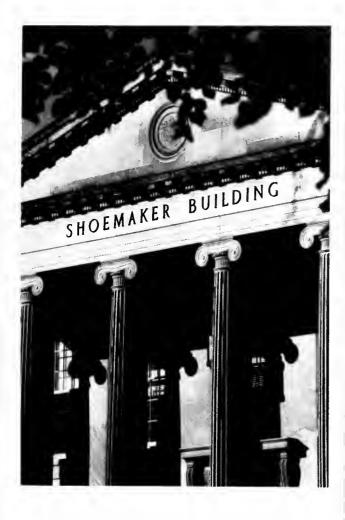
Jill Natasha Brooks Nicole Sherrice Norwood Deborah Ann Savo

COMMISSIONS

Second Lieutenants U.S. Air Force Reserves

Wesley Joe Butts Thomas W. Coppersmith, Jr. Audi N. Lucas Todd Jamie Parsont

SCHOLARSHIP HONORS



Bachelor's degree candidates who have qualified for scholaraship honors upon graduation are designated by appropriate symbols adjacent to their names within the alphabetical listings of college or schools.

To be eligible for consideration for such honors a candidate must meet the following general criteria: (1) have completed at least 2 years of work at the University of Maryland (60 semester hours, 30 of which were earned at the College Park campus) and (2) have a scholastic average of B (grade point average of 3.000) or higher in University of Maryland work prior to the last semester of registration before award of degree.

August and December 1992 candidates who have met these criteria are shown in the listings as qualifying, upon graduation, for the designators *Summa cum Laude* (if they ranked in the top two percent of the candidates in their respective colleges or schools), *Magna cum Laude* (if in the next three percent, or *cum Laude* (if in the next five percent), based on the grade point averages of students in the preceding three graduating classes of their degree-granting unit.

General Honors Program

Mojgan Ahmadzadeh Dana Cheryl Garris* Anna Kathryn Gilcher* Melissa Jill Kowalski* Lisa Sharon Spicknall** Lisa Michelle Tenley

University Honors Citation

George Christopher Agritellis** Patricia Katherine Beachley John B. Benedetto** Stuart David Cataldo** Erin Anderson Conners** Marjorie Devlin Dorak Adrian Michael Goldstein** Jennifer Griffin** Susan Janice Grill** William Frederick Heinz* Lori Elizabeth Kline*** Alex Charles Lakatos** Francoise Giao-Phuong Le** Jov-Ann Rose Maloney** Jeremy Lechtman Milk*** Daniel Benjamin Navarro** Diane Laurette O'Reilly** Rebecca Hart Pitts** Ramsey Imad Shehadeh Lisa Faith Waldman** Natalie Fern Zaidman** Andrea Jill Zemil**

DEPARTMENTAL/ COLLEGE HONORS

With High Honors in:

Biochemistry

Anne Marie Broadwater* Michael Edward Dowler* Seong Jeong Noh**

Biology

Charles Raymond Bourne, Jr.** David Seung-Hyun Hwang** Krishna Mallik** Lisa Ann Meshbesher** Dana Lynn Thomas

Government and Politics

John B. Benedetto** Denise Cheung** Caterina Caroline Panos** Lynn Bernadette Poe**

Mathematics

Emiliano Gomez***

Physics

Paul Evan Lynch** Michael D. McGreevv**

With Honors in:

Biochemistry

Samuel Yu-Shu Wu**

Biology

Sandra Christine Koch** Amir Shoushang Moazzez** Keelin Gregg Smothers**

Computer Science

Michael Andrew Bull**

Charles Stevens Falkenberg David Mark Herbert Samuel Paul Hale Lamphier Lisa Sharon Spicknall***

Criminal Justice

John Timothy Ridgely*

Economics

Sanjeev Kalanidhi

Education

Gina Lynn Cash Steven Anthony McCarthy Elizabeth Louise Schneider

Engineering

Rajeev Batra*** Alessandro Franchi Mary Katherine Elizabeth Lee Brian Thomas Rhodes Kenneth Tracy Schlag*

English

Helen Rose Bradley Deron Cornell Burton*** Kelly May Causey*** Robert Christopher Ekstrand*** Sherry Ann Lau***

Government and Politics

Howard Efram Diamond* Sarah Ann Murphy* Daniel Benjamin Navarro** Christie Colleen Noll** Ayse Aydan Sahin

Physics

Nathan P. Newell Yilmaz Winslow Rona**

Psychology Erica Beth Stein

Zoology

Diana Lynn Miglioretti** Camille Anne Peart Michelle Lisa Redman

* graduated December 1991 ** graduated May 1992 *** graduated August 1992 E C E M B E R C O M M E N C E M E

STUDENT MARSHALS

D



Katarina Beisler Corinne Calis Sang Kweon Cho Brenda Cordwell Robert DeFalco Timothy Dennis Karen DeSantis Ami Desai David Donaldson Kevin Fallon Mark Fehrenbacher Kelley Ferrar Danielle Furman Tanya Geiger Brian Goodwin Stephanie Hampton Jennifer Huber Julie Huntington Debbie Hurowitz Grachel Javanella Kellev Jenkins Kimberly Ann Johnson Margaret Jones Sanjeev Kalanidhi Joyce Kang Michael Kropff Doris Lau Suzanne Law Mary Katherine Lee Kevin Andrew Lewis Christopher Light Douglas Lunenfeld Erin Lynch John Maerz III Amit Manchanda Robin Mohlenrich Lori Moorman Mary Theresa Moriarty Robert Peterson Steven Phelps Tamara Phillips Laura Plantinga Dora Pleasant Elizabeth Randall Mark Rhoads Tiffany Rodney **Richard Ridley**

Katana Sanford Melissa Scaletta Christopher Scardelletti Robert Seidman Michael Scott Keri Ann Sterra Robin Shaffer Kenneth Shore Gagan Singh Richard Smedley Steven Snyder George Stathis Jen Storer Lisa Tenley Dana Thomas David Tlusty Marc Tobias Steve Vinh Erika Lynn Vorasmarti Tracy Wilkison Gerry Williams Dena Wilson Steven Wood Craig Zimmerman

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