2010

Annual Research Report, 2009-2010

Office of Research

Old Dominion University

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Annual Research Report

Annual report of collaborative research projects of Old Dominion University faculty and students in partnership with business, industry and government
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This was yet another great year for research at ODU. A virtual pathology stethoscope invented by researchers from Virginia Modeling, Analysis and Simulation Center (VMASC) and Eastern Virginia Medical School, and licensed to Cardionics, Inc., made its debut in the market this year. Lawrence Weinstein is leading an international team of scientists at Jefferson National Laboratory to create the most intense high-energy beam of both matter and antimatter the world has ever known. Yiannis Papelis and Brett Newman are leading a major NASA effort to experiment with alternative pilot-in-the-loop airborne operations as well as terminal-based ground operations. Mike Nelson was declared the 2010 winner of the Digital Preservation Award for his work on “time travel for the Web” by the Institute for Conservation and Digital Preservation Coalition in London. Li-Shi Luo of Mathematics and Statistics and Ian Balitsky of Physics were elected recently Fellows of the American Physical Society (APS). There are now 14 APS Fellows at ODU, not a small feat for a single institution. Much closer to home, VMASC used discrete event simulation to predict in real-time various peak hour travel-time scenarios for the Hampton Roads region in year 2034. This study is the basis for the design of a new bridge-tunnel that will be linking Norfolk Naval Station, Craney Island and the Monitor-Merrimac Memorial Bridge-Tunnel. The Social Science Research Center, under the sponsorship of the Office of Research, came out with its first “Life in Hampton Roads Survey” results that addressed politics, travel, climate, crime, culture, economics, and immigration. This survey will be repeated each year to provide baseline data with additional and unique research questions to allow sociological research of interest to faculty.

Our researchers are driven to achieve excellence not only in their own discipline but also at the intersection of multiple fields. In FY 2010, ODU’s total R&D, including institutionally financed expenditures, amounted to $97.2 million. The faculty generated research proposals valued at $219.2 million and received $91.4 million in new awards. NSF, in its latest round, ranked 18 ODU programs as among the top 100 of their respective national peers in terms of R&D expenditures. ODU is ranked 61st among institutions without medical schools, 89th in DoD funding, and 50th in NASA funding. Our NIH portfolio that was ranked 324th in the country four years ago is now ranked 224th and is expected to get a boost forward with establishment of a new vivarium.

In an effort to stimulate newer faculty teams across colleges, the Office of Research sponsored its Round Six of the Multidisciplinary Seed Funding Program. A total of 16 teams of faculty researchers competed this year. The winning six teams of 31 faculty members were provided $358,207 to explore surgical response, wave energy dynamics, nanoindentation, the social web, perioperative blood management, and nanocapsules.

This Annual Research Report documents the wide diversity of scholarly and research endeavors with which ODU researchers have been involved in FY 2010. I invite you to also visit our research homepage at www.odu.edu/research to learn about the latest in research at our great institution. It has indeed been a great time to be at ODU.

Mohammad A. Karim
Vice President for Research
Research Statistics and Trends

Total R&D Expenditure ($M)

FY10 Total R&D By Sources

- Federal: 39%
- Industries: 6%
- State: 6%
- Institutional: 49%
FY10 Total R&D By Fields

Federal R&D Expenditure (in $M)
FY10 Federal R&D By Fields

FY10 Federal R&D By Agencies
ODU Industrial R&D ($M)

Research Equipment
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Generated PRT ($K)

New ODURF Research Award ($M)
FY10 ODURF R&D By Fields

ODU Proposals Statistics (in $M)
FY10 Proposal Submissions By Units

FY10 ODURF New Award by Units
New Research Award By Units

Effective ODURF F&A Recovery Rate (%)

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FY 2010 ODU R&D Expenditure Ranking

- Aerospace Engineering (19th in Total and 35th in Federal)
- Business and Management (15th in Total)
- Department of Defense Research (89th)
- Economics (73rd in Total)
- Education (9th in Total and 12th in Federal)
- Electrical Engineering (50th in Total and 64th in Federal)
- Engineering (64th in Total and 83rd in Federal)
- Environmental Science (55th in Total; 39th in Federal)
- Humanities (31st in Total)
- Mathematical Sciences (87th in Total and 82nd in Federal)
- Mechanical Engineering (98th in Total and 68th in Federal)
- NASA Research (50th)
- Non-Science & Non-Engineering (24th in Total and 24th in Federal)
- Oceanography (35th in Total; 36th in Federal)
- Political Science (72nd in Total)
- Physics (99th in Total)
- Universities without Medical School (61st)
- Visual and Performing Arts (8th in Total)
Dr. X. Nancy Xu received her Ph.D. from the University of Mississippi (Ole Miss) in 1992 and pursued her postdoctoral research at the University of Texas-Austin (1993-95) and Ames Lab-Iowa State University (1996-98). She began her academic career as assistant professor at Old Dominion University in 1998. Since 2009, she has held the position of Professor in Chemistry and Biochemistry.

Dr. Xu’s research program focuses on the development and application of cutting-edge bio- and nanotechnologies as well as ultrasensitive analytical methodologies to address fundamental and practical questions in chemical, biochemical and biomedical research. In particular, she studies chemical and biological reactions in real-time at the single-molecule level. Her research program investigates the most challenging questions in biology and explores living organisms at the cellular and molecular level. Ultimately, her research program will lead to the discovery of new chemical and biochemical mechanisms, and the invention of novel technologies.

Her research program is currently supported by two major federal research grants over $3.4 million, one from NSF ($1.6 million) and one from NIH ($1.8 million).

Dr. Xu has brought national attention to ODU due to her work in the competitive area of nanotechnology. She has published over 40 peer-reviewed journal articles, 5 book chapters and a book. She has presented over 120 papers, including 53 invited ones, at national and international conferences, and has delivered nearly 50 invited seminars at universities across the nation and around the world.

Dr. Xu holds one worldwide patent on DNA biosensor, and has two pending U.S. patents on nano-biotechnology. She has served as a grant reviewer or panelist for 11 funding agencies, including NIH, NSF, EPA, DoE, and DOD in the U.S., DGF in Germany, Swiss-NSF, and HKRGC in Hong Kong. She also served as a reviewer for a wide variety of journals.

Dr. Xu received the 2009 Distinguished Research Award from the College of Sciences at ODU, the 2008 Nano 50TM Innovator Award and the 2007 Nano 50TM Award in Technology from Nanotech Briefs. She was the student-selected Most Inspiring Faculty Member in the ODU College of Sciences in 2002, 2005 and 2007.
ODU Fellows

College of Arts & Letters
Regina Karp
International Institute for Strategic Studies
Donald Zeigler
American Geographical Society

Frank Batten College of Engineering & Technology
A. Osman Akan
American Society of Civil Engineers
Oktay Baysal
American Society of Mechanical Engineers
Sushil K. Chaturvedi
American Society of Mechanical Engineers
Jeremiah Creedon
American Institute of Aeronautics and Astronautics
Gary Crossman
American Society for Engineering Education
Ayondeji O. Demuren
Institution of Mechanical Engineers
William A. Drewry
American Society of Civil Engineers
Adrian Gheorghe
Swiss Society for Risk Analysis
Ravindra Joshi
Institute of Electrical and Electronics Engineers
Mohammad A. Karim
Institute of Physics
Asad Khattak
American Society of Civil Engineers
Mounir Laroussi
Institute of Electrical and Electronics Engineers
Martin Mikulas
National Academy of Engineering

Ahmed K. Noor
American Society of Civil Engineers
American Society of Mechanical Engineers
American Institute of Aeronautics and Astronautics
American Academy of Mechanics
U.S. Association for Computational Mechanics
Ramamurthy Prabhakaran
Society for Experimental Mechanics
Zia Razzaq
American Society of Civil Engineers
John Samuels
National Academy of Engineering
Karl H. Schoenbach
Institute of Electrical and Electronics Engineers
Resit Unal
American Society of Engineering Management

College of Business & Public Administration
John B. Ford
Academy of Marketing Science
Yuping Liu-Thompkins
Society for New Communications Research
Michael J. Seiler
American Real Estate Society

Darden College of Education
David Branch
American College of Sport Medicine
Nicholas G. Bountress
American Speech-Language and Hearing Association
Nina Brown
American Group Psychotherapy Association
Sheri Colberg-Ochs
American College of Sport Medicine
Anastasia Raymer
American Speech-Language and Hearing Association
Theodore P. Remley
American Counseling Association
John Ritz
International Technology Education Association
Robert Spina  
American College of Sport Medicine  
American Academy of Kinesiology and Physical Education

David Swain  
American College of Sport Medicine

College of Health Sciences
Kimberly Adams-Tufts  
American Physical Therapy Association
E. Andrew Balas  
American College of Medical Informatics  
European Academy of Sciences and Arts
Richard Benjimen  
Academy of Nursing Education  
American Academy of Nursing
Paul Clements  
International Association of Forensic Nurses
John Echternach  
American Physical Therapy Association

College of Sciences
Larry Atkinson  
American Society for the Advancement of Science
Ian Balitsky  
American Physical Society
Dennis Darby  
Geological Society of America
Jean Delayen  
American Physical Society
Valerian Derlega  
American Psychological Association  
Society for the Psychological Study of Social Issues  
Society of Experimental Social Psychology
Ann Gargett  
Royal Society of Canada
Alexander Gurevitch  
American Physical Society
Mark Havey  
American Physical Society
John Holsinger  
National Speleological Society

Charles E. Hyde  
American Physical Society
Cynthia Jones  
American Society for the Advancement of Science
Geoff Krafitt  
American Physical Society
Sebastian Kuhn  
American Physical Society
Li Shi Luo  
American Physical Society
Harold G. Marshall  
Virginia Academy of Sciences
Bernard Mecking  
American Physical Society
Lynton Musselman  
Linnean Society of London  
International Parasitic Plant Society
Dayanand Naik  
American Statistical Association
Nora Noffke  
Geological Society of America
Anatoly Radyushkin  
American Physical Society
Janis Sanchez  
American Psychological Association
Mark W. Scerbo  
Human Factors and Ergonomics Society
Rocco Schiavilla  
American Physical Society
Carol Simpson  
Geological Society of America
Don Swift  
Geological Society of America
John Tweed  
Royal Society of Edinburgh  
Institute of Mathematics and Its Applications
Jay Wallace Van Orden  
American Physical Society
Lepsha Vuskovic  
American Physical Society
Colm Whelan  
American Physical Society
Lawrence Weinstein  
American Physical Society
Honorary Awards

College of Arts and Letters


Edgerton, Gary R. Eminent Scholar, Old Dominion University, 2010.


McManus, John. Creative Writing Fellowship, Fundacion Valparaiso, Mojácar, Spain, May 2010.

Potts, Liza. Teaching with Technology Award, Old Dominion University, 2010.

Tait, Althea. Summer College Grant Award, Old Dominion University College of Arts and Letters, 2010.

Yetiv, Steve. Burgess Award for Excellence in Research, Old Dominion University College of Arts and Letters, 2010.


College of Business and Public Administration

Ford, John B. Old Dominion University Eminent Professor, 2010.

Liu, Yuping. E.V. Williams Faculty Fellow, 2010.


Morris, John C. University Doctoral Mentoring Award, Old Dominion University, Spring 2010.


Talley, Wayne. Provost’s Award for Leadership in International Education, Old Dominion University, Norfolk, VA, 2010.


Zhou, Haiwen. E.V. Williams Faculty Research Fellow, 2010.

Zhu, Hongwei. Named to the Data Quality and Consistency Committee of XBRL US.

College of Health Sciences


Curran, Dawn. Most Influential Faculty by the COHS top graduate, December 2009.


Tolle, Lynn. 2010 Educator of the Year, American Dental Hygienists’ Association, Las Vegas, NV, June 2010.

Tolle, Lynn. Tonelson Award, Old Dominion University Alumni Association, May 2010.

College of Sciences

Balitsky, Ian. Outstanding Research Award, Old Dominion University College of Sciences, 2010.


Chrisochoides, Nikos. Richard T. Cheng Endowed Chair, Old Dominion University, 2010.

Dodge, Gail. Member of the Nuclear Science Advisory Committee, 2010.

Ezer, Tal. Internal Nominee, SCHEV Virginia Outstanding Faculty Award, 2009.


Jones, Cynthia. Elected Fellow, American Association for the Advancement of Science, 2009.

Kuhn, Sebastian. Elected Member - Executive Committee, APS Topical Group on Hadronic Physics, 2009.

Kuhn, Sebastian. Chair-elect, Jefferson Lab Users Board of Directors, 2010.

Lewis, R. Graduates Award, Virginia Consortium Program in Clinical Psychology, 2010.

Li, Yaohang. CAREER Award, National Science Foundation, 2009.

Major, D. Distinguished Research Award, Old Dominion University College of Sciences, May 2010.

Major, D. Graduate Student Mentor Award Finalist, Old Dominion University, 2010.


Schiavilla, Rocco. Member of the National Advisory Committee, Institute for Nuclear Theory, University of Washington, 2009-2011.

Scully, Malcolm. Cronin Award for Early Achievement, Coastal and Estuarine Research Foundation, 2009.


Winstead, B. Gene W. Hirschfeld Faculty Excellence Award, 2010.

Xu, Nancy. Faculty Research Achievement Award, Old Dominion University, 2010.

Xu, Nancy. Distinguished Research Award, Old Dominion University College of Sciences, 2009.
Units with over $1M in FY10 Research Expenditures

Virginia Commercial Space Flight Authority, $24.52M
Virginia Modeling, Analysis and Simulation Center, $7.68M
Virginia Space Grants Consortium, $3.28M
Communication Disorder and Special Education, $3.28M
Ocean, Earth and Atmospheric Sciences, $2.54M
Chemistry and Biochemistry, $2.47M
Mechanical and Aerospace Engineering, $2.47M
Biological Sciences, $2.29M
Frank Reidy Research Center for Bioelectrics, $2.29M
Physics, $2.13M
Electrical and Computer Engineering, $1.75M
Engineering Management and Systems Engineering, $1.73M
Computer Science, $1.08M
Center for Coastal and Physical Oceanography, $1.06M
Medical Laboratory and Radiation Sciences, $1.06M
Virginia Coastal Energy Research Consortium, $1.00M

Principal Investigators with over $500K in FY10 Research Expenditures

Billie M. Reed, Virginia Commercial Space Flight Authority, $24.52M
John A. Sokolowski, Virginia Modeling, Analysis and Simulation Center, $6.46M
Mary Sandy, Virginia Space Grants Consortium, $3.05M
Stephen Tonelson, Communication Disorders and Special Education, $1.53M
Robert Gable, Communication Disorders and Special Education, $1.38M
Patrick Hatcher, Virginia Coastal Energy Research Consortium, $1.35M
Richard Heller, Frank Reidy Research Center for Bioelectrics, $1.03M
Andre Pakhomov, Frank Reidy Research Center for Bioelectrics, $841K
Kent Carpenter, Biological Sciences, $827K
Walton A. Hooks, Physics, $731K
Lawrence Dotolo, Virginia Tidewater Consortium for Higher Education, $576K
Drew Landman, Mechanical and Aerospace Engineering, $573K
Cynthia Jones, Center for Quantitative Fisheries Ecology, $561K
John R. Donat, Chemistry & Biochemistry, $514K


Atkinson, Larry P. Ocean, Earth & Atmospheric Sciences, “Collaborative Research: Planning Grant: I/UCRC for Wind Energy.” National Science Foundation, 8/1/09-7/31/10, $10,000.


Atkinson, Larry P. Center for Coastal Physical Oceanography, “Mid-Atlantic Ocean Model Calculations.” Princeton University, 2/1/10-1/31/11, $47,417.

Atkinson, Larry P. Center for Coastal Physical Oceanography, “Phased Deployment and Operations of the Mid-Atlantic Regional Coastal Observing System.” State University of New Jersey, 10/1/09-9/30/10, $99,000.


Bayse, Craig A. Chemistry and Biochemistry, “Platinum Metal Complexes as DNA-Protein Cross-Linking Agents.” Virginia Commonwealth University, 7/1/09-6/30/10, $5,000.


Behr, Joshua. VMASC, “Routing Optimization Phase 1.” City of Hampton, 1/1/10-3/31/10, $11,618.


Blando, Jose. Center for Coastal Physical Oceanography, “Carrying Capacity of the Titicaca Lake, First Stage.” Association Hispanic Peruvian Cooperation Fund, 12/21/09-4/21/10, $45,171.


Butler, Leigh L. Darden College of Education, “Chesapeake Bay Watershed Education & Training (B-Wet) Program: Science Education Advancing Research of the Chesapeake Bay and Its Habitats.” National Oceanic & Atmospheric Administration, 7/1/09-6/30/11, $0.


Butler, Leigh L. Miscellaneous ODU Units, “Mentoring and Clinical Faculty Training IV.” VA Department of Education, 7/1/09-9/30/10, $3,472.


Butler, Mark J. Biological Sciences, “Collaborative Proposal: Connectivity of Disease in Marine Ecosystems: Multi-Scale Dynamics of a Viral Disease Infecting Caribbean Spiny Lobster.” National Science Foundation, 9/15/09-8/31/12, $573,498.

Carhart, Michael. History, “Junior Research Fellowship at the Frias School of History: the Caucasians: Central Asia in the European Imagination.” American Council of Learned Societies, 10/1/09-9/30/10, $38,364.

Carpenter, Kent E. Biological Sciences, “Pire: Origins of High Marine Biodiversity in the Indo-Malay-Philippine Archipelago: Transforming a Biodiversity Hotspot into a Research and Education Hotspot.” National Science Foundation, 9/1/09-8/31/10, $519,382.


Cetin, Mecit. Civil & Environmental Engineering, “Transportation Alternatives Modeling.” Old Dominion University, 12/1/09-3/30/10, $44,304.


Cetin, Mecit. Civil & Environmental Engineering, “Evaluation of Volume-Delay Functions and Their Implementations in VDOT Travel Demand Models.” VA Department of Transportation, 10/15/09-12/31/10, $48,750.


Congdon, Leslie. Dental Hygiene, “Magnification Loupes in U.S. Entry-Level Dental Hygiene Programs.” American Dental Hygiene Association, 7/1/09-6/30/10, $3,048.

Cooper, Roland A. Biological Sciences, “MRI: Acquisition of Four-Probe Multi-View 4000 AMF, NSOM, and SPM Systems.” National Science Foundation, 8/1/09-7/31/12, $21,728.

Cooper, Roland A. Biological Sciences, “Dual Function Acridones as a New Antimalarial Chemotype.” Portland State University, 9/28/09-8/31/10, $18,750.

Cooper, Roland A. Biological Sciences, “Cellular and Molecular Components of Fitness in Cq-Selected Malaria Parasites.” University of Notre Dame, 2/01/10-12/31/10, $81,888.


Learning Environment.” State Council of Higher Education for Virginia, 7/1/09-9/30/10, $51,000.


Cutter, Gregory A. Ocean, Earth & Atmospheric Sciences, “Collaborative Research: a Linked Initiative for Developing Minority Doctoral Scholars in Ocean Sciences, Phase 2.” National Science Foundation, 10/1/09-9/30/12, $83,632.


Cutter, Gregory A. Ocean, Earth & Atmospheric Sciences, “Geotraces Zonal Atlantic Section: Arsenic and Phosphorus Biogeochemistry.” National Science Foundation, 1/1/10-12/31/10, $51,000.


Darby, Michele M. Dental Hygiene, “Magnification Loupes in U.S. Entry-Level Dental Hygiene Programs.” American Dental Hygiene Association, 7/1/09-6/30/10, $5,000.

Darby, Michele M. Dental Hygiene, “Adoption Fidelity and Effectiveness of Alcohol SBIRT in Dental Practice.” U.S. Public Health Service, 9/22/09-8/31/11, $94,946.

Dauer, Daniel M. Biological Sciences, “Chesapeake Bay Monitoring: Benthic Monitoring.” VA Department of Environmental Quality-VA Water Control Board, 1/1/10-6/30/10, $85,062.

Dauer, Daniel M. Biological Sciences, “Chesapeake Bay Monitoring: Data Analysis Time.” VA Department of Environmental Quality-VA Water Control Board, 1/1/10-6/30/10, $8,849.


De Leo, Gianluca. Medical Laboratory and Radiation Sciences, “SBIR Phase II: Software to Assess Readiness.” MYMIC, LLC., 2/1/10-4/27/10, $30,000.

Debruin-Parecki, Andrea. Teaching & Learning, “Preschoolers Up on Readiness, Pre-Reading & Literacy Enrichment (Project Purple).” City of Norfolk, 8/16/09-8/15/12, $154,579.

Delayen, Jean. Physics, “Post-Doctoral Research Associate Support for 500 MHz, 499 MHz, 400 MHz.” Niowave, Inc., 8/1/09-7/31/11, $150,000.


Demuren, Ayodeji O. Mechanical Engineering, “Insulin Occlusion Study.” Children’s Hospital of The King’s Daughters, 4/1/10-4/1/11, $10,000.

Science-Student Travel Support.” National Science Foundation, 6/1/10-5/31/11, $5,000.


Diaz, Rafael. VMASC, “Routing Optimization Phase 1.” City of Hampton, 1/1/10-3/31/10, $11,970.


Dickerson, Daniel. STEM Education & Professional Studies, “Chesapeake Bay Watershed Education & Training Program: Science Education Advancing Research of the Chesapeake Bay and Its Habitats.” National Oceanic & Atmospheric Administration, 7/1/09-6/30/11, $44,566.


Dickinson, Gail. Teaching & Learning, “Librarianship Upgrades for Children and Youth Services.” Institute of Museum and Library Services, 7/1/09-6/30/12, $218,181.


Dinniman, Michael. Center for Coastal Physical Oceanography, “Processes Controlling Cross Shelf Exchange in the Amundsen/Bellinghausen Seas.” National Science Foundation, 10/1/09-9/30/12, $279,787.


Dodge, Gail E. Physics, “REU at ODU: Accelerator and Nuclear Physics.” National Science Foundation, 2/1/10-4/30/11, $16,875.

Doll, Carol. Teaching & Learning, “Librarianship Upgrades for Children and Youth Services.” Institute of Museum and Library Services, 7/1/09-6/30/12, $224,792.


Dotolo, Lawrence G. VA Tidewater Consortium for Higher Education, “U.S. Joint Forces Staff College
Evaluation Writing Skills.” U.S. Joint Forces Staff College, 8/1/09-6/15/10, $20,000.


Flory, Isaac. Engineering Technology, “Intelligent High Efficiency Street Lighting.” VA Polytechnic Institute & State University, 6/1/10-6/30/12, $59,088.

Foss, Jennifer J. “Old Dominion University, Student Health Services, Chlamydia Project.” National Chlamydia Coalition, 6/1/10-5/31/11, $9,633.

Foytik, Peter. VMASC, “Routing Optimization Phase 1.” City of Hampton, 1/1/10-3/31/10, $11,618.

Foytik, Peter. VMASC, “Transportation Alternatives Modeling.” Old Dominion University, 12/1/09-11/30/10, $14,768.

Gable, Robert A. Communication Disorders & Special Education, “T/TAC Continuation Proposal,” Old Dominion University, 10/1/09-9/30/10, $218,495.

Gable, Robert A. Communication Disorders & Special Education, “TTAC/ESD.” Old Dominion University, 10/1/09-9/30/10, $876,469.


Gable, Robert A. Communication Disorders & Special Education, “Special Education Endorsement Programs.” VA Department of Education. 10/1/09-9/25/10, $30,695.
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Gaff, Holly. Community & Environmental Health and VMASC, “Rift Valley Fever Modeling and Analysis.” Georgetown University Medical Center, 4/1/10-9/30/10, $39,000.

Gaff, Holly. Community & Environmental Health, “Tick Field Study Year 2.” Old Dominion University, 11/25/09-6/30/10, $12,500.


Gauthier, David. Biological Sciences, “MRI: Acquisition of Four-Probe Multi-View 4000 AMF, NSOM, and SPM Systems.” National Science Foundation, 8/1/09-7/31/12, $21,728.

Georgen, Jennifer. Ocean, Earth & Atmospheric Sciences, “Collaborative Research: Planning Grant: I/UCRC for Wind Energy.” National Science Foundation, 8/1/09-7/31/10, $0.


Gordon, Andrew S. Biological Sciences, “ODU Office of Research Alternative Energy Program.” Old Dominion University, 7/1/09-6/30/11, $37,829.


Greene, Lesley H. Chemistry & Biochemistry, “Renewal of: Elucidating the Key Determinants of Protein Folding and Stability in the Death Domain Superfamily.” Jeffress Research Grants Program, 1/1/10-12/31/10, $10,000.

Grosch, Chester E. Ocean, Earth & Atmospheric Sciences “Collaborative Research: LES & Modeling of Turbulence on Shallow Shelves under Combined Langmuir, Tidal & Convective Forcing with Comparison to VADCP Observations.” National Science Foundation, 9/15/09-8/31/12, $277,486.


Hao, Zhili. Mechanical Engineering, MRI: Acquisition of Four-Probe Multi-View 4000 AMF, NSOM, and SPM Systems.” National Science Foundation, 8/1/09-7/31/12, $86,912.


Hovey, Mark D. Physics, “Atomic Physics Investigations of Light Localization in High Density Ultracold 87Rb Vapor.” National Science Foundation, 1/22/10-6/30/10, $12,000.

He, Jing. Computer Science, “Crest: Center for Research Excellence in Bioinformatics and Computational Biology.” New Mexico State University, 1/15/10-7/31/10, $106,376.


Henson, James M. Psychology, “Secondary Effects of Parent Treatment for Drug Abuse on Children.” National Science Foundation, 7/1/09-6/30/10, $34,325.

Henson, James M. Psychology, “GSE/RES - Collaborative Research: Capitalizing on Opportunity: Narrowing the Gender Divide in Engineering and through Professional Development.” National Science Foundation, 1/1/10-12/31/12, $0.


Hofmann, Eileen E. Center for Coastal Physical Oceanography, “Chesapeake Bay Watershed Education & Training Program: Science Education Advancing Research of the Chesapeake Bay and Its Habitats.” National Oceanic & Atmospheric Administration, 7/1/09-6/30/11, $22,283.


Hofmann, Eileen E. Center for Coastal Physical Oceanography, “Collaborative Research: Seasonal Evolution of Chemical and Biological Variability in the Ross Sea.” National Science Foundation, 8/15/09-7/31/11, $67,257.

Hofmann, Eileen E. Center for Coastal Physical Oceanography, “Collaborative Research: Climate Change and Responses in a Coupled Marine System.” National Science Foundation, 10/1/09-9/30/12, $150,000.


Holsinger, John R. Biological Sciences, “Descriptions of New Species of Amphipod Crustaceans in the Genus Stygobromus (Crangonyctidae) from Subterranean Groundwater Habitats in Maryland.” Maryland Department of Natural Resources, 4/22/10-6/30/10, $3,000.


Hynes, Wayne L. Biological Sciences, “IPA for Alan Savitzky - Continuation.” National Science Foundation, 3/1/10-8/31/10, $78,388.

Hynes, Wayne L. Biological Sciences, “Tick Field Study Year 2.” Old Dominion University, 11/25/09-6/30/10, $6,250.


Katsioloudis, Petros. STEM Education & Professional Studies, “Emerging Transportation Technologies (Et2).” VA Department of Education, 5/1/09-12/31/09, $8,000.


Khattak, Asad. Civil & Environmental Engineering, “Transportation Alternatives Modeling.” Old Dominion University, 12/1/09-30/10, $44,304.

Khattak, Asad. Civil & Environmental Engineering, “Evaluation of Volume-Delay Functions and Their Implementations in VDOT Travel Demand Models.” VA Department of Transportation, 10/15/09-4/15/11, $48,750.

Khattak, Asad. Civil & Environmental Engineering, “Comparative Analysis of Virginia University National Household Travel Survey.” VA Department of Transportation, 5/1/10-6/30/11, $90,000.

Kidd, Jennifer. Teaching & Learning, “Collaborative Research: Production and Assessment of Student-Authored Wiki Textbooks.” National Science Foundation, 2/15/10-1/31/12, $58,650.


Klinck, John M. Center for Coastal Physical Oceanography, “Chesapeake Bay Watershed Education & Training Program: Science Education Advancing Research of the Chesapeake Bay and Its Habitats.” National Oceanic & Atmospheric Administration, 7/1/09-6/30/11, $22,283.


Klinck, John M. Center for Coastal Physical Oceanography, “Collaborative Research: Seasonal Evolution of Chemical and Biological Variability in the Ross Sea.” National Science Foundation, 8/15/09-7/31/11, $65,279.

Klinck, John M. Center for Coastal Physical Oceanography, “Collaborative Research: Climate Change and Responses in a Coupled Marine System.” National Science Foundation, 10/1/09-9/30/12, $150,000.

Klinck, John M. Center for Coastal Physical Oceanography, “Processes Controlling Cross Shelf Exchange in the Amundsen/Bellinghausen Seas.” National Science Foundation, 10/1/09-9/30/12, $279,787.


Lee, Guang L. Teaching & Learning, “Tidewater Writing Project, 2009-2010 Continued Funding Application.” National Writing Project, 7/1/10-06/30/11, $23,000.


Liu, Yuping. Business Administration, “Understanding the Viral Diffusion of Brand Messages.” Online Empower Media, 2/21/10-3/21/11, $5,000.

Lucking, Robert A. Teaching & Learning, “Mentoring and Clinical Faculty Training IV.” VA Department of Education, 7/1/09-9/30/10, $27,773.


Major, Debra A. Psychology, “GSE/RES- Collaborative Research: Capitalizing on Opportunity: Narrowing the Gender Divide in Engineering and through Professional Development.” National Science Foundation, 1/1/10-12/31/12, $225,637.


Marshall, Harold G. Biological Sciences, “Preadd. VDEQ Phytoplankton M#1.” VA Department of Environmental Quality-VA Water Control Board, 1/1/10-6/30/10, $59,155.


Milliken, Tammi F. Counseling & Human Services. “Care Now.” City of Norfolk, 10/1/09-8/1/10, $59,220.


Onate, James. Human Movement Sciences, “Development, Assessment and Validation of Physical Training Regimens.” Office of Naval Research, 1/1/10-12/31/10, $10,600.

Orvis, Karen. Psychology, “GSE/RES - Collaborative Research: Capitalizing on Opportunity: Narrowing the Gender Divide in Engineering and through Professional Development.” National Science Foundation, 1/1/10-12/31/12, $225,637.


Palmeris, Yiannis. VMASC, “Rift Valley Fever Modeling and Analysis.” Georgetown University Medical Center, 4/1/10-9/30/10, $39,000.

Palmeris, Yiannis. VMASC, “FISC: J8 Support Mod 1.” Navy Fleet Industrial Supply Center, 8/5/09-8/4/10, $34,800.


Peery, Janet. English, “2009 ODU Litfest.” City of Norfolk, 9/1/09-8/31/10, $2,000.


Qian, Shizhi. Aerospace Engineering, “MRI: Acquisition of Four-Probe Multi-View 4000 AMF, NSOM, and SPM Systems.” National Science Foundation, 8/1/09-7/31/12, $93,120.


Reed, Billie M. Virginia Commercial Space Flight Authority, “Orbital Rs:H to#004 Co#01.” Orbital Science Corporation, 3/24/10-6/30/10, $65,767.

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Remley, Jr., Theodore P. Counseling & Human Services, “Community-Based Counseling in Partnership with the Norfolk Community Service Board.” Norfolk Community Services Board, 7/1/09-6/30/10, $30,043.


Sandy, Mary L. Virginia Space Grant Consortium, “FAA Design Competition for Universities.” Federal Aviation Administration, 8/14/09-9/30/10, $250,000.

Sandy, Mary L. Virginia Space Grant Consortium, “Global Climate Change Education.” NASA-Langley Research Center, 8/25/09-5/06/14, $1,761,311.


Sokolowski, John. VMASC, “Continuation of: Support to the Joint Transformation Command - Intelligence, Norfolk, VA Integration Division.” General Dynamics, 7/1/09-7/31/09, $21,384.

Sokolowski, John. VMASC, “Continuation of: Support to the Joint Transformation Command - Intelligence, Norfolk, VA Integration Division.” General Dynamics, 8/1/09-12/31/09, $128,804.

Sokolowski, John. VMASC, “Continuation of: Support to the Joint Transformation Command - Intelligence, Norfolk, VA Integration Division.” General Dynamics, 2/1/10-6/30/10, $112,543.


Sokolowski, John. VMASC, “Joint/Multi-Service Concepts and Operations Analysis, Research, and Support.” Naval Surface Weapons Center, 7/16/09-7/15/10, $1,024,000.

Sokolowski, John. VMASC, “NSWCD IPA Lang, Robert.” Navy Fleet Industrial Supply Center, 9/1/09-10/16/09, $6,185.

Sokolowski, John. VMASC, “IPA for Thomas Lang.” Navy Fleet Industrial Supply Center, 9/1/09-10/16/09, $6,185.


Sokolowski, John. VMASC, “FISC: J68 Support Mod 1.” Navy Fleet Industrial Supply Center, 8/19/09-10/13/09, $6,757.


Sokolowski, John. VMASC, “FISC: JSIC Support Services Mod 3.” Navy Fleet Industrial Supply Center, 10/1/09-9/30/10, $300,000.

Sokolowski, John. VMASC, “FISC: J68 Support Mod 1.” Navy Fleet Industrial Supply Center, 10/1/09-9/30/10, $170,176.

Sokolowski, John. VMASC, “FISC: J8 Support Mod 1.” Navy Fleet Industrial Supply Center, 10/1/09-9/30/10, $1,391,387.


Sokolowski, John. VMASC, “FISC: JSIC Support Services Mod 3.” Navy Fleet Industrial Supply Center, 10/1/09-9/30/10, $300,000.

Sokolowski, John. VMASC, “IPA for Michael Olmstead.” Office of the Secretary of Defense, 6/21/09-6/20/10, $0.


Sonenshine, Daniel E. Biological Sciences, “Tick Field Study Year 2.” Old Dominion University, 11/25/09-6/30/10, $6,250.


Stubbins, Aron. Chemistry & Biochemistry, Development of a High-Precision TOC/DOC Analyzer with a Nm Detection Limit.” National Science Foundation, 10/15/09-9/30/11, $197,375.

Sukenik, Charles I. Physics, “Production of Ultracold Weakly Bound Polar Molecules and Trapping of Ground State Noble Gases.” National Science Foundation, 8/1/09-7/31/12, $200,000.


Swain, David P. Human Movement Sciences, “Development, Assessment and Validation of Physical Training Regimens.” Office of Naval Research, 1/1/10-12/31/10, $74,200.

Swanson, R. James. Biological Sciences, “Mitochondria and Oocyte Failure: Seed Grant for Future Funding.” Eastern Virginia Medical School, 11/1/09-10/31/10, $117,104.

Thompson, Suzan K. Counseling & Human Services, “Community-Based Counseling in Partnership with the Norfolk Community Services Board.” Norfolk Community Services Board, 7/1/09-6/30/10, $30,043.


Tonelson, Stephen W. Communication Disorders & Special Education, “T/TAC Continuation Proposal.” Old Dominion University, 10/1/09-9/30/10, $218,495.

Tonelson, Stephen W. Communication Disorders & Special Education, “TTAC/ESD.” Old Dominion University, 10/1/09-9/30/11, $876,469.


Tonelson, Stephen W. Communication Disorders & Special Education, “Mentoring and Clinical Faculty Training IV.” VA Department of Education, 7/1/09-9/30/10, $3,472.


Vahala, Linda L. Dean, Engineering & Technology, “GSE/RES - Collaborative Research: Capitalizing on Opportunity: Narrowing the Gender Divide in Engineering and through Professional Development.” National Science Foundation, 1/1/10-12/31/12, $0.


Vandecar-Burdin, Tancy. Social Science Research Center, “Virginia Beach Growsmart.” City of Virginia Beach, 5/1/10-12/31/10, $1,000.


Xiao, Shu. Center for Bioelectric, “Near-Field Propagation of Sub-Nanosecond Electric Pulses into Amorphous Masses.” Air Force Office of Scientific Research, 10/1/09-9/30/10, $100,001.

Xiao, Shu. Electrical & Computer Engineering, “CAREER: Distributed Broadcasting.” National Science Foundation, 8/1/09-12/31/10, $82,004.


Yang, Xiushi. Social Science Research Center, “Youth Services Survey for Families Mail Survey and MHSIP Survey.” VA Department of Mental Health/Mental Retardation, 8/1/09-6/30/10, $58,564.

Yang, Xiushi. Sociology & Criminal Justice, “Venue-Based HIV and Alcohol Use Risk Reduction among Female Sex Workers in China.” Wayne State University. 9/25/08-8/31/10, $21,771.


Zubair, Mohammad. Computer Science, “Chesapeake Bay Project: Zubair Staff Time.” VA Department of Environmental Quality-VA Water Control Board, 1/1-10-6/30/10, $13,650.
**FY 2010 Intramural Research Awards**

**Summer Research Faculty Program**


Li, Jiang. Electrical and Computer Engineering, College of Engineering and Technology, “Characterization Brain Tissue and Predicting Brain Tumor Recurrence Using Multisequence.”

Lichi, Anthony. Art, College of Arts and Letters, “The Medical Culture of Death in Late Medieval and Early Renaissance Italy: Documents and Sources.”

Liu, Hua. Political Science and Geography, College of Arts and Letters, “Examining the Spatial-temporal Effects of Urban Heat Islands on West Nile Virus Dissemination: A study of Orleans Parish, Louisiana and Mobile County, Alabama.”


Padilla, Miguel. Psychology, College of Sciences, “Multiple Imputation for Measurement Error Correction in Statistical Models.”


**Summer Experience Enhancing Collaborative Research (SEECR)**

Multidisciplinary Seed Funding Program

Hongwei Zhu, Assistant Professor of Information Systems and Technology; Yuzhong Shen, Assistant Professor of Electrical and Computer Engineering; Amy Adcock, Assistant Professor of STEM Education and Professional Studies, “Multiplayer Online Games for Information Quality Management,” $59,438.

David Gauthier, Assistant Professor of Biological Sciences; Holly Gaff, Assistant Professor of Community and Environmental Health; R Latour, Instructor of Virginia Institute of Marine Science, William & Mary; K Reece, Instructor of Virginia Institute of Marine Science, William & Mary; W Vogelbein, Instructor of Virginia Institute of Marine Science, William & Mary, “Modeling Eco-Epidemiology of Chronic Disease in Wild Finfish,” $74,250.


Michael McShane, Assistant Professor of Finance; Rani A. Kady, Assistant Professor of Engineering Management and Systems Engineering; Gnana K. Bharathy, Assistant Professor of Engineering Management and Systems Engineering, “Multidisciplinary Investigation of Emerging and Complex Risks: Developing Integrated Risk Management Expertise,” $22,000.

Yan Peng, Assistant Professor of Mathematics and Statistics; Li-Shi Luo, Professor of Mathematics and Statistics; Shizhi Qian, Assistant Professor of Aerospace Engineering; Wei Liao, Research Assistant Professor of Mathematics and Statistics, “Numerical and Experimental Study of Complex Bio-Fluids in Microfluidic Lab-on-a-Chip for Bio-Medical Applications,” $70,599.

Faculty Proposal Preparation Program (FP3)

Fall 2010

Alonzo, Jenifer. Communication and Theatre Arts, College of Arts and Letters.

Jeng, Anna. Community and Environmental Health, College of Health Sciences.

Liu, Hua. Political Science and Geography, College of Arts and Letters.

Shen, Yuzhong. Electrical and Computer Engineering, College of Engineering.


Patents


Journal Editors

**College of Arts and Letters**

Carhart, Michael C. *Journal of the History of Ideas*, Review Editor.

Chen, Jie. *Modern China Studies*, Co-Editor.


Edgerton, Gary R. *Communication Booknotes Quarterly*, Editor.

Edgerton, Gary R. *Film—The Annual Editions Series*, Editorial Advisory Board.

Edgerton, Gary R. *Film & History: An Interdisciplinary Journal of Film and Television Studies*, Editorial Advisory Board.

Edgerton, Gary R. *Journal of American Culture*, Associate Editor, 2002-present.


Edgerton, Gary R. *Journal of Popular Film and Television*, Co-Executive Editor.

Hall, Mike. *International Trombone Association Journal*. Literature Reviews Editor.


Merritt, Jane T. *Pennsylvania Magazine of History and Biography*, Editorial Board.

Miller, Dale E. *Utilitas*, Editorial Board.


Richards, Jeffrey H. *Early American Literature*, Editorial Board.


**College of Business and Public Administration**


Chatfield, Dean. *European Journal of Industrial Engineering*.

Colburn, Christopher. *Forum on Public Policy*, Editorial Advisory Board.


Deadrick, Diana. *Journal of Managerial Psychology*, Editorial Board.


Doukas, John. *Finance E* Cases, Managing Editor and Founder.


Doukas, John. *Journal of International Business Studies*, Associate Editor.


Doukas, John. *International Finance Review*, Associate Editor.


Doukas, John. *The Open Management Journal*, Associate Editor.


Judge, William Q. *Corporate Governance: An International Review*, Editor-in-Chief.


Leavitt, William M. *State and Local Government Review*, Editorial Board.

Li, Ling. *Enterprise Information Systems*, Associate Editor.


Li, Shaomin. *Corporate Governance: An International Review*, Associate Editor.

Li, Shaomin. *Modern China Studies*, Editorial Board.

Liu-Tompkins, Yuping. *Journal of Marketing Communications*.


Koch, James V. *Journal of Business and Economics*, Editorial Board.

Koch, James V. *Social Science Quarterly*, Editorial Board.

Koch, James V. *Social Science Journal*, Editorial Board.


Nair, Anil. *Asia Pacific Journal of Management*, Senior Editor.

Seiler, Michael J. *Journal of Real Estate Literature*, Co-Editor.

Seiler, Michael J. *Journal of Real Estate Research*, Editorial Board.

Seiler, Michael J. *Journal of Housing Research*, Editorial Board.


Talley, Wayne K. *Transportation Research E: Logistics and Transportation Review*, Editor-in-Chief.

Talley, Wayne K. *Asian Journal of Shipping and Logistics*, Deputy Editor-in-Chief.

Talley, Wayne K. *Journal of Logistics and Sustainable Transport*, International Advisory Board.

Talley, Wayne K. *International Forum on Shipping, Ports and Airport Transactions*, Editorial Board.


Xu, Li. *Expert Systems*, Associate Editor.


Ziegenfuss, Douglas. *Internal Auditing*, Editorial Board.


Darden College of Education

Adcock, Amy. Journal of Interactive Online Learning, Editorial Board.

Adcock, Amy. Technology, Instruction, Cognition, and Learning, Managing Editor.

Al-Hazza, Tami. Literacy Research & Instruction, Editorial Board.

Bol, Linda. Journal of Educational Psychology, Editorial Board.

Bol, Linda. Journal for Effective Schools, Editorial Board.

Case, Robert W. ICHPER International Journal of Research, Editorial Board.

Case, Robert W. Journal of Sport Management, Editorial Board.

Colberg-Ochs, Sheri. Insulin, Editorial Board.

Colberg-Ochs, Sheri. Review of Endocrinology, Editorial Board.

Christensen, Teresa. Journal of School Counseling, Editorial Board.

Christensen, Teresa. Journal for Specialists in Group Work, Editorial Board.

Krum, Karen S. Educational Planning, Editorial Board.

Cunningham, Bill. Educational Planning, Editorial Board.

Cunningham, Bill. Journal for Specialists in Group Work, Editorial Board.

Cunningham, Bill. The National Forum Of Educational Administration And Supervision, Editorial Board.

Deal, Walter F. Resources in Technology - The Technology Teacher, Editor.

DeBruin-Parecki, Andrea. Journal of Literacy Research, Editorial Board.

DeBruin-Parecki, Andrea. The Reading Teacher, Editorial Board.

Dickerson, Daniel. Journal of Geoscience Education, Associate Editor.

Dickinson, Gail K. Library Media Connection, Editor.

Dickinson, Gail K. Linworth, Editorial Board.


Duggan, Molly. Community College Enterprise, Editorial Board.


Duggan, Molly. Journal of Interactive Online Learning, Editorial Board.

Dustin, Jill C. Human Service Education, Editorial Board.

Dustin, Jill C. Journal of Human Services, Editor.

Fleener, Charlene E. Literacy Research & Instruction, Editorial Board.

Fleener, Charlene E. Association for Literacy Educators and Researchers, Editorial Board.

Gable, Robert A. Journal of Alternative Schooling, Executive Editor.

Gable, Robert A. Preventing School Failure, Executive Editor.

Gable, Robert A. Teacher Education and Special Education, Editorial Board.


Garrett, Michael T. Counseling and Values, Editorial Board.

Gregory, Dennis. College Student Affairs Journal, Editor.

Gregory, Dennis. Journal of College Student Development, Editorial Board.

Gregory, Dennis. Journal of Student Conduct Administration, Editorial Board.

Gregory, Dennis. Monograph Series on Legal Issues In Higher Education And Student Affairs, Editorial Board.

Gregory, Dennis. NASPA Council on Law and Higher Education, Editorial Board.

Gregory, Dennis. The NASPA Journal, Associate Editor.

Gregory, Dennis. Oracle, Editorial Board.

Grothaus, Timothy. Professional School Counseling, Editorial Board.

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Haber, George D. The Journal for Vocational Special Needs, Editorial Board.

Haber, George D. Workforce Education Journal, Editorial Board.

Hager, Jane M. Association for Literacy Educators and Researchers, Editorial Board.


Hinton-Johnson, Kaavonia. Notes on American Literature, Editorial Board.


Judge, Sharon. Journal of Special Education Technology, Editorial Board.

Katsioloudis, Petros J. American Society for Engineering Education, Editorial Board.


Katsioloudis, Petros J. The Technology Teacher, Editorial Board.


Lee, Lea. Association for Childhood Education International, Editor.

Lucking, Bob. Internet and Higher Education, Editor.

Manning, Lee. Association for Childhood Education International, Editor.


McAuliffe, Garrett J. International Journal for the Advancement of Counseling, Editorial Board.

McAuliffe, Garrett J. Journal of Counseling and Development, Editorial Board.

McKinney, Sueanne E. Teaching Children Mathematics, Editor.

McKinney, Sueanne E. Urban Teaching, Learning, and Research, Editorial Board.

Morrison, Gary R. Computers and Human Behavior, Editorial Board.


Morrison, Gary R. Educational Communications and Technology Research, Associate Editor.

Morrison, Gary R. Educational Technology, Research, & Development, Associate Editor.


Morrison, Gary R. Quarterly Review of Distance Education, Editorial Board.

Netherton, David L. Iota Lambda Sigma Journal for Workforce Education, Editor.

Nunnery, John A. Journal of Education of Students Placed At-Risk, Associate Editor.


Overbaugh, Richard C. Computers in the Schools, Editorial Board.


Overbaugh, Richard C. The Internet and Higher Education, Editorial Board.

Overbaugh, Richard C. Computers in Human Behavior, Editorial Board.


Owings, William A. Journal for Effective Schools, Editorial Board.

Parker, Radha H. The ADULTSPAN Journal, Editorial Board.

Parker, Radha H. Counseling and Values, Editorial Board.
5.3.3 Annual Report FY 2010

Raymer, Anastasia. Journal of Medical Speech Pathology, Editorial Board.

Reed, Philip A. International Journal of Technology and Design Education, Editorial Board.

Reed, Philip A. Journal of Technology Education, Editorial Board.

Schwitzer, Alan M. Journal of College Counseling, Editor.


Suh, Younghee. History Education Journal, Editorial Board.

Swain, David. ACSM’s Health and Fitness Journal, Editorial Board.

Swain, David. Medicine and Science in Sports and Exercise, Associate Editor.

Wakefield, Alice P. The Constructivist, Editorial Board.

Wang, Greg. Advances in Developing Human Resources, Associate Editor-in-Chief.


Gheorghe, Adrian. International Journal System Environmental Pollution, Editorial Board.


Gheorghe, Adrian. International Journal Risk Assessment and Management, Editorial Board.

Hsiung, Steve. Journal of Industrial Technology, Associate Editor.

Hsiung, Steve. ATMAE, Journal of Industrial Technology, Associate Editor.

Karim, Mohammad A. see Office of Research.


Keating, Charles. IEEE Systems Journal, Associate Editor.


Khattak, Asad. International Journal of Sustainable Development, Associate Editor.

Khattak, Asad. Intelligent Transportation Systems, Editor-in-Chief.


Khattak, Asad. Planning and Operations, Editor.

Kniseley, Stephen. Cardiovascular Engineering and Technology, Editorial Board.

Landaeta, Rafael. Engineering Management Journal, Associate Editor.

Landaeta, Rafael. International Journal of Knowledge-Based Organizations, Associate Editor.

Laroussi, Mounir. International Journal of Plasma Medicine, Editorial Board.

Noor, Ahmed K. Advances in Engineering Software, Editor-in-Chief.

Noor, Ahmed K. Applied Mechanics Reviews, Associate Editor.

Frank Batten College of Engineering and Technology

Basco, David. Coastal Engineering, Associate Editor.


Considine, Carol. International Journal of Construction Education and Research, Editorial Board.

Gheorghe, Adrian. International Journal Sustainable Development, Editor.

Gheorghe, Adrian. International Journal Critical Infrastructures, Editor.


Gheorghe, Adrian. Security, Complex Systems and Governance, Editor.
Noor, Ahmed K. *Journal of Applied Mechanics*, Associate Editor.


Noor, Ahmed K. *Communications in Applied Numerical Methods*, Editorial Board.


Noor, Ahmed K. *Computers & Structures*, Editorial Board.


Noor, Ahmed K. *Engineering Computations*, Editorial Board.

Noor, Ahmed K. *Engineering with Computers*, Editorial Board.

Noor, Ahmed K. *IEEE Computational Science and Engineering*, Editorial Board.


Noor, Ahmed K. *Sandwich Structures & Materials*, Editorial Board.

Noor, Ahmed K. *Structural Engineering and Mechanics*, Editorial Board.


Schoenbach, Karl H. see Office of Research.

Song, Min. *International Journal of Computer Networks*, Editor-in-Chief.

Song, Min. *International Journal of Ad Hoc and Ubiquitous Computing*, Editorial Board.

Song, Min. *International Journal on Advances in Networks and Service*, Editorial Board.

Song, Min. *Journal of Computing and Information Technology*, Editorial Board.

Song, Min. *Journal of Communications*, Editorial Board.

Song, Min. *Journal of Networks*, Editorial Board.

Tolk, Andreas. *International Journal for Command and Control*, Associate Editor.

Tolk, Andreas. *International Journal for Intelligent Decision Technologies*, Editorial Board.


Tolk, Andreas. *SIMULATION - Transactions of the Society for Modeling and Simulation International*, Associate Editor.


**College of Health Sciences**

Adams-Tufts, K. *Journal of the Association of Nurses in AIDS Care*, Editorial Board.

Clements, Paul T. *Journal of Forensic Nursing*, Associate Editor.

College of Sciences

Abdel-Wahab, Hussein. *Journal of Distance Education Technologies*, Editorial Board.

Bliss, James P. *International Journal of Human Factors in Modeling and Simulation*, Editorial Board.


Burdige, David. *Marine Chemistry*, Associate Editor.


Butler, Mark. *Marine Ecology Progress Series*, Staff Editor.


Cash, Thomas F. *Journal of Social and Clinical Psychology*, Editorial Board.


Cutter, Gregory. *Limnology and Oceanography Methods*, Associate Editor.

Cutter, Gregory. *Marine Chemistry*, Associate Editor.

Davis, Donald D. *Journal of High Technology Management Research*, Editorial Board.

Davis, Donald D. *Journal of Daoist Studies*, Editorial Board.

Davis, Donald D. *Open Management Journal*, Editorial Board.


Derlega, Valerian J. *Journal of Social and Clinical Psychology*, Associate Editor.


Ezer, Tal. *Ocean Dynamics*, Co-Editor.

He, Jing. *International Journal of Data Mining and Bioinformatics*, Editorial Board.


Greenwood, Alex D. *BMC Research Notes*, Associate Editor.


Havey, Mark. *Journal of Atomic, Molecular, and Optical Physics*, Editorial Board.


Hofmann, Eileen. *Dynamics of Atmospheres and Oceans*, Editor.


Holsinger, John R. *Journal of Subterranean Biology*, Editorial Board.

Kelley, Michelle. *Fathering*, Editorial Board.

Kelley, Michelle. *Journal of Family Psychology*, Editorial Board.

Lewis, Robin J. *Clinical Psychology Review*, Editorial Board.

Lewis, Robin J. *Journal of Social and Clinical Psychology*, Editorial Board.


Luo, Li-Shi. *Journal of Statistical Physics*, Editorial Board.


Major, Debra. *Aggression and Violent Behavior*, Editorial Board.


Major, Debra. *Journal of Business and Psychology*, Editorial Board.


Maly, Kurt; *Journal for Microcomputer Application Technology*, Associate Editor.

Naik, Dayanand N. *InterStat*, Editor.

Naik, Dayanand N. *Communications in Statistics - Theory and Methods*, Associate Editor.

Naik, Dayanand N. *Communications in Statistics - Simulation and Computation*, Associate Editor.


Olariu, Stephan. *IEEE Transactions on Parallel and Distributed Systems*, Associate Editor.

Olariu, Stephan. *International Journal of Parallel and Distributed Systems and Networks*, Associate Editor.


Olariu, Stephan. *Journal of Parallel and Distributed Computing*, Subject Area Editor.


Olariu, Stephan. *Networks*, Associate Editor.


Scerbo Mark W. *Human Factors*, Editorial Board.

Scerbo, Mark W. *Simulation in Healthcare*, Associate Editor.


Sonenshine, Daniel E. *Journal of Medical Entomology*, Subject Editor.
Sonenshine, Daniel E. *Parasitologia*, Editorial Board.

Sonenshine, Daniel E. *Ticks and Tick-borne Diseases*, Editorial Board.

Waller, Deborah A. *Journal of Insect Behavior*, Editorial Board.


Winstead, Barbara A. *Journal of Social and Clinical Psychology*, Editorial Board.


**Office of Research**


Ezell, Barry. *Journal of Bioterrorism & Biodefense*.


Karim, Mohammad A. *IEEE Transactions on Education*, Associate Editor.

Karim, Mohammad A. *Microwave and Optical Technology Letter*, Editorial Board.


Pakhomov, Andrei. *Bioelectromagnetics*, Associate Editor.

Pakhomov, Andrei. *The Open Electrochemistry Journal*, Editorial Board.

Schoenbach, Karl. *Bioelectrochemistry*, Editorial Board.


Editors of Books and Journal Special Issues

**College of Arts and Letters**


**Darden College of Education**


Frank Batten College of Engineering and Technology


College of Health Sciences


College of Sciences


Ezer, Tal (Ed.). Special Issue of International Workshop on Modeling the Ocean; Springer-Verlag, 2010.


Noffke, N. and D. Bottjer. Astrobiology. Special Issue on “Microbial mats as biosignatures (ancient and modern),” 2009.


Frank Reidy Research Center for Bioelectrics


Office of Research


**Virginia Modeling, Analysis and Simulation Center**

Books

**College of Arts and Letters**


Frank, Jr., Willard C. *Marinos soviéticos con la Flota Republicana durante la Guerra Civil*. Cartagena: Divum & Mare/Áglaya, 2009.


**College of Business and Public Administration**


**Darden College of Education**


**Frank Batten College of Engineering and Technology**


**College of Health Sciences**


**College of Sciences**


**Office of Research**

**Book Chapters**

**Center for Learning Technologies**


**College of Arts and Letters**

**Communication and Theatre Arts**


**English**


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Foreign Languages & Literatures


History


Philosophy & Religious Studies


Political Science & Geography


Sociology & Criminal Justice


Women’s Studies Research


College of Business and Public Administration

Information Technology & Decision Sciences


管理

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Marketing


Darden College of Education
Communication Disorders and Special Education


Counseling and Human Services


Educational Foundations and Leadership


Human Movement Sciences

5.3.3 Annual Report FY 2010

STEM Education and Professional Studies


Teaching and Learning

Frank Batten College of Engineering and Technology
Aerospace Engineering


Civil & Environmental Engineering
Erten-Unal, M. “Hazardous Waste Treatment.”


Electrical & Computer Engineering


Engineering Management & Systems Engineering


Engineering Technology


Mechanical Engineering
College of Health Sciences

School of Community and Environmental Health


School of Dental Hygiene


School of Medical Laboratory and Radiation Sciences


School of Nursing


College of Sciences

Biological Sciences


**Computer Science**


**Mathematics & Statistics**


**Ocean, Earth & Atmospheric Sciences**


**Psychology**


**Office of Research**

**Frank Reidy Research Center for Bioelectrics**


**Virginia Modeling, Analysis and Simulation Center**


Journal Articles

Center for Learning Technologies


College of Arts and Letters

Art


Communication and Theatre Arts


English


Foreign Languages & Literatures


History


Music


Philosophy and Religious Studies


Political Science & Geography


Sociology & Criminal Justice


Stein, Michael. see Shaomin Li, Management, College of Business and Public Administration.


Economics


Selover, David D. see Shaomin Li, Management, College of Business and Public Administration.


Finance, Insurance or Real Estate


Information Technology & Decision Sciences


Management

Champagne, Paul J. see Michael T. Zugelder, Finance, College of Business and Public Administration.


5.3.3 Annual Report FY 2010


Judge, William Q. see Robert Pinsker, Accounting, College of Business and Public Administration.


Li, Shaomin. see Robert Pinsker, Accounting, College of Business and Public Administration.


Marketing

Arndt, Aaron D. see Michael J. Seiler, Finance, College of Business and Public Administration.


Honeycutt, Jr., Earl D., Shawn T. Thelen and John B. Ford. “Evaluating and Motivating Faculty
5.3.3 Annual Report FY 2010


Glassman, Myron. see Michael T. Zugelder, Finance, College of Business and Public Administration.

Karande, Kiran. see Shaomin Li, Management, College of Business and Public Administration.


Urban Studies & Public Administration


Darden College of Education

Communication Disorders and Special Education


Counseling and Human Services


Educational Foundations & Leadership


Human Movement Sciences


Van Lunen, B.L. see M.L. Walker, School of Physical Therapy, College of Health Sciences.

Zhu, X. “Situational interest, cognitive engagement, and achievement in physical education.” Contemporary Educational Psychology 34.3 (2009): 221-229.


**STEM Education and Professional Studies**


Ritz, John. see Steve Hsiung, Engineering Technology, College of Engineering.


**Teaching and Learning**


Manning, M.L. see R.A. Gable, Communication Disorders and Special Education, College of Education.


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**Frank Batten College of Engineering and Technology**

**Applied Research Center**


**Aerospace Engineering**


Beskok, A. see Michael W. Stacey, Frank Reidy Research Center for Bioelectrics.

Beskok, A. see R.P. Joshi, Electrical and Computer Engineering, College of Engineering.

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Qian, S. see Michael W. Stacey, Frank Reidy Research Center for Bioelectronics.


**Civil & Environmental Engineering**


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**Electrical & Computer Engineering**


**Engineering Management & Systems Engineering**


Engineering Technology


Ringleb, Stacie. see M. Walker, School of Physical Therapy, College of Health Sciences.


**Mechanical Engineering**


Elmustafa, A.A. see H. Baumgart, Civil and Environmental Engineering, College of Engineering.

Hou, G. see C. Lin, Engineering Technology, College of Engineering.


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**College of Health Sciences**

**School of Community and Environmental Health**


School of Dental Hygiene


School of Medical Laboratory and Radiation Sciences


Heller, L. see R. Heller, Center for Bioelectrics, Office of Research.

Heller, R. see Center for Bioelectrics, Office of Research.


Somma, C.T. see S.R. Colberg-Ochs, Human Movement Science, College of Education.

Sechrist, S.R. see S.R. Colberg-Ochs, Human Movement Science, College of Education

School of Nursing


Bennington, L.K. “Can complementary alternative medicine be used to treat infertility?” Maternal Child Nursing (2010): 140-147.


School of Physical Therapy


College of Sciences

Biological Sciences


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Hynes, W.L. see G.B. McCombs, School of Dental Hygiene, College of Health Sciences.


Osgood, C. see A. Pakhomov, Frank Reidy Center for Bioelectrics, Office of Research.


Ratzlaff, R.E. see D. Shuman, School of Dental Hygiene, College of Health Sciences.


Swanson, R.J. see A. Pakhomov, Frank Reidy Center for Bioelectrics, Office of Research.

Swanson, R.J. see J.F. Kolb, Frank Reidy Center for Bioelectrics, Office of Research.


**Chemistry & Biochemistry**


Hatcher, P.G. see Margaret Mulholland, Chemistry and Biochemistry, College of Sciences.


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Tedetti, M., F. Joux, B. Charrière, K. Mopper, and R. Sempéré. “Contrasting effects of solar radiation and nitrates on the bioavailability of DOM to marine


**Computer Science**


**Mathematics & Statistics**


Ocean, Earth & Atmospheric Sciences


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Abelev, B.I., S. Bueltmann, I. Koralt, and D. Plyku. “Observation of $\pi^+\pi^-\pi^+\pi^-$ photoproduction in ultraperipheral heavy-ion collisions at $s_{NN} = 200$ GeV at the STAR detector.” *Physical Review C* 81 (2010): 044901.


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Psychology


Office of Research

Frank Reidy Research Center for Bioelectrics


Kolb, J.F. see R.P. Joshi, Electrical and Computer Engineering, College of Engineering.

Kolb, J.F. see R. James Swanson, Biological Science, College of Sciences.


Pakhomov, A. see R.P. Joshi, Electrical and Computer Engineering, College of Engineering.


integrity by fluorescent detection of Tl⁺ uptake.”

**Schoenbach, K.H.** see R.P. Joshi, Electrical and Computer Engineering, College of Engineering.

**Schoenbach, K.H.** see R. James Swanson, Biological Sciences, College of Sciences.

**Schoenbach, K.H.** see Shiu Xiao, Electrical and Computer Engineering, College of Engineering.


Stacey, Michael W. see Shizhi Qian, Aerospace Engineering, College of Engineering.


Shen, Y. see C. Lin, Engineering Technology, College of Engineering.


**Patricia W. and J. Douglas Perry Library**


**Social Science Research Center**

Conference Publications

Center for Learning Technologies


College of Arts and Letters

Art


Communication & Theatre Arts


Pitts, Margaret. “Gossip and Other Types of Everyday Talk in Identity Development in Intergroup Settings.” International Conference on Language and Social Psychology, Brisbane, Australia, June 2010.


English

Appleton, Sarah. “Corp(Se)ocracy: The Body as Commodity in Margaret Atwood’s Oryx and Crake and The Year of the Flood.” MLA, Philadelphia, PA, 009.


Potts, Liza. “Re-Writing Labels: Identifying how the LOFNOTC use social media to support AFP.” Popular Culture and American Culture Associations Annual Conference: Communication and Digital Culture Area, St. Louis, MO, 2010.


Hisotry


Hametz, Maura. “Mare Nostrum and Holy Land: Depicting the Italian Mediterranean in Sul Mare, 1926-1936.” SIS Interim Conference, Venice, Italy, April 18, 2010.


Heidbrink, Ingo. “American Sailors in Greenlandic Waters - a socio-economic perspective.” North...
American Society for Oceanic History, Mystic, CT, May 12, 2010.

Holden, Robert H. “Beyond War: Variations in State Formation as Seen from Central America and Elsewhere in Latin America.” Center for Business and Politics, Copenhagen Business School, Copenhagen, Denmark, October 3, 2009.

Music

Philosophy


Political Science & Geography


Earnest, David C. “From Man, the State, and War to Vertices, Networks and Change: Relational Ontologies to Understand Complexity in Politics.” Annual Meeting of the American Political Science Association, Toronto, Canada, September 4, 2009.


Women's Studies

College of Business and Public Administration
Accounting


Economics

Finance, Insurance or Real Estate


Information Technology & Decision Sciences


**Management**


Morris, Sara and W.T. Proffitt, Jr. “Shareholder resolutions: A closer look at how investor activists select their targets.” Annual meeting of *the International Association for Business and Society*, Banff, Canada, 2010.


Sethi, Deepak, Moghadam Kaveh and Judy Wu. “Towards a More Comprehensive Taxonomy for Analyzing the Strategic Motivations of MNEs from the
5.3.3 Annual Report FY 2010


**Marketing**


Kirchner, Theresa A. and John B. Ford. “Nonprofit Arts and Cultural Alliances: Qualitative and Quantitative Assessment of an Emerging Phenomenon.” *The Tenth International Conference on Arts and Cultural Management*, Dallas, TX, July 2009.


**Urban Studies & Public Administration**


Morris, John C. and Benjamin Inman. “The Case of the ‘TWICing’ Time Bomb: Privatization in the


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**Darden College of Education**

**STEM Education and Professional Studies**


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**Frank Batten College of Engineering and Technology**

**Aerospace Engineering**


**Baysal, O.** see Diefeng Gu, Applied Research Center, College of Engineering.


**Beskok, Ali.** see Diefeng Gu, Applied Research Center, College of Engineering.


**Ai, Y., S.W. Joo, A. Beskok and S. Qian.** “Electrophoretic Motion of Charged Particles in Microfluidic Devices with Non-uniform Electric Fields.” *Gordon Research Conferences on the Physics and*
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Qian, Shizhi. see Diefeng Gu, Applied Research Center, College of Engineering.


Applied Research Center


Research Symposium, College Park, MD, December 9-11, 2009,


Yu, Liya, George Rozgonyi, Pragya Shrestha, Diefeng Gu, and Helmut Baumgart. “C-V and Deep Level Transient Spectroscopy (DLTS) of ALD HfO2 on s-Si/SiGe/Si: Effects of strained-Si Thickness and Surface Nitridation.” High Dielectric Constant Materials and Gate Stacks 7 Symposium, Electrochemical Society Fall Meeting, Vienna, Austria, October 2009.


Civil & Environmental Engineering


Electrical & Computer Engineering

Baumgart, Helmut. see Diefeng Gu, Applied Research Center, College of Engineering.


Er, Ali Oguz and Hani E. Elseayed-Ali. “Nonthermal laser assisted Ge quantum dot formation on Si(100)-2x1 by pulsed laser deposition.” The 76th Annual Meeting of the APS Southeastern Section, Atlanta, Georgia, November 11-14, 2009.


Xiao, S. see Frank Reidy Center for Bioelectrics, Office of Research.

Engineering Management & Systems Engineering


Bacon, T.J., P. Jones, R.B. Garrett, and A. Tolk. “Integration of Psycho-Social Models and Methods in NATO’s Approach to Operations; A Review of NATO


**Engineering Technology**


**Mechanical Engineering**

Bao, H.P. see A. Dean, Engineering Technology, College of Engineering.

Bao, H.P. see G. Hou, Engineering Technology, College of Engineering.


Elmustafa, A.A. see Diefeng Gu, Applied Research Center, College of Engineering.


Sah, R., R.P. Johnson, M. Neubauer, M. Conde, W. Gai, A. Moretti, M. Popovic, K. Yonehara, J. Byrd, D. Li, M.


**College of Health Sciences**

**School of Community and Environmental Health**


**School of Medical Laboratory and Radiation Sciences**


Heller, R., B. Ferraro, A. Donate and M.J. Jaroszeski. “Electrically Mediated Gene Delivery to the Skin.” World Congress on Medical Physics and Biomedical Engineering, Munich, Germany, September 7-12, 2009.


**School of Nursing**


College of Sciences
Biological Sciences


Swanson, R.J. see J. Kolb, Center for Bioelectrics, Office of Research.


Motley, T.J. “Your paper is published; do you know who owns your DNA?” Botanical Society of America, Providence, RI, 2010.


**Chemistry & Biochemistry**


**Computer Science**


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Mathematics & Statistics


Ocean, Earth & Atmospheric Sciences


Whittlecar, G. Richard, Tracy L. Thornton, John McLeod, and John C. Smith. “Simulate Historical Groundwater Fluctuations at Potential Mitigation
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Physics


Psychology


Bliss, J.P. “Research Activities at the REACTS Lab.” Colloquium presented to the Department of Psychology, Orlando, FL, September 24, 2009.


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Office of Research

Magpili, Luna. see C. Ariel Pinto, Engineering Management and Systems Engineering, College of Engineering.

Frank Reidy Research Center for Bioelectronics


Pakhomov, A. see R.J. Swanson, Biological Sciences, College of Sciences.


Schoenbach, K. see R.J. Swanson, Biological Sciences, College of Sciences.


Virginia Modeling, Analysis and Simulation Center


Perry Library

Fry, M., Robert Fenning and Rusty Waterfield. “Reinvigorating the University Library - Incorporating the Learning Commons / Student Success Center Concept.” Society of College and University Planners National Conference, Portland, OR, June 2010.

Book Reviews

College of Arts and Letters

Art


English


Foreign Languages and Literatures


History


Philosophy And Religious Studies


Political Science


College of Business and Public Administration

Economics


College of Sciences
Ocean, Earth and Atmospheric Sciences

Perry Library
Keynote/Plenary Speakers

**College of Arts & Letters**


Carhart, Michael C. “Networks of Travel and Science: Blumenbach’s Caucasian Skull, 1793.” Albert-Ludwigs-Universität, Freiburg im Breisgau, Germany, December 14, 2009.


**College of Health Sciences**


**College of Sciences**


Savitzky, Alan. “Undergraduate Research and Other Opportunities in Biology through the National Science Foundation.” First Annual Undergraduate Research Conference for Faculty, Staff and Administrators, Oklahoma City, OK, March 26, 2010.


Landers, R.N. “Social media is coming to psychology: What should we do now?!” Virginia Psychological Association, Norfolk, VA, April, 2010.


Office of Research
Frank Reidy Research Center for Bioelectrics


Pahomov, A. “Nanosecond-Duration Electric Pulses Open Nanometer-Size Pores in Cell Plasma Membrane.” World Congress on Medical Physics and Biomedical Engineering, Sept. 7-12, 2009, Munich, Germany.


Heller, R. “Electrically mediated gene delivery to the skin.” World Congress on Medical Physics and Biomedical Engineering, Munich, Germany, September 7-12, 2009.

Virginia Modeling, Analysis and Simulation Center


Creative Research/Exhibitions

College of Arts and Letters

Art


Bryant, Heather. The Anatomy of... A Group of International Printmakers. Purdue University, West Lafayette, IN, 2009.


Bryant, Heather. The Laughing Bear Portfolio. Hollufgard Art Center, Denmark, 2009.


Daley, Ken. Global Warming Portfolio. Salisbury University, Salisbury, MD.


Pratt, Greta. Road to Nowhere. FotoFest, Houston, TX, 2010.


Communication and Theatre Arts
Alonzo, Jenifer. I Hate Hamlet. Costume designer, University Theatre, Old Dominion University, October 2009.

Alonzo, Jenifer. Fragments. Adaptor and director, University Theatre, Old Dominion University, February 2010.

Hammond, Katherine. Dracula. Director, University Theatre, Old Dominion University, October 2009.


Spiel, Christopher. I Hate Hamlet. Technical director, University Theatre, Old Dominion University, October 2009.

Spiel, Christopher. Dracula. Technical director, University Theatre, Old Dominion University, October 2009.

Spiel, Christopher. Brave New World. Technical director, University Theatre, Old Dominion University, January 2010.

Spiel, Christopher. Fragments. Technical director, University Theatre, Old Dominion University, February 2010.

Winters, Konrad. Dracula. Scenic design, University Theatre, Old Dominion University, October 2009.

Music

Klein, Nancy. Outdoor Concert in the Clock Tower Market platz. Director, Sound of America Honor Choir and Band, Rothenberg, Germany, July 10, 2009; Cortina, Italy, July 12, 2009.


Klein, Nancy. SOA Honor Band and Choir Concert, Director, Alexander Giraldo Concert Hall, Cortina, Italy; Palazza del Congressi, Stresa, Italy, July 26, 2009; Kogress-Saal, Grindelwald, Germany July 18, 2009; Music Theatra, La Chaux De Fonds, Switzerland, July 20, 2009; Saint Germaine Church, Paris, France, July 22, 2009; Grand Duchy of Luxembourg, July 24, 2009; American Cemetery, Luxembourg, July 25, 2009.


Hall, Michael.  *Chamber Music concert* with Galliard Brass Ensemble, Solo Performance, Plymouth, IN, November 30, 2009.

Hall, Michael.  *Guest Artist Recital,* University of Wisconsin-Eau Claire, Eau Claire, WI, October 12, 2009; Concordia University, Moorhead, MN, October 10, 2009; University of North Dakota, Fargo, ND, October 9, 2009; Oktoberfest Festival, Tucson, AZ, October 1-4, 2009.


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