

# Faculty

## **Whiting School of Engineering Engineering and Applied Science Programs for Professionals**

Joseph L. Abita  
*Principal Professional Staff (ret.)  
Applied Physics Laboratory*

Ed Addison  
*CEO  
TeraDisc, LLC*

Philip J. Adelman  
*Principal Professional Staff  
Applied Physics Laboratory*

Stephen D. Ahlbrand  
*Principal Professional Staff (ret.)  
Applied Physics Laboratory*

Jacqueline Akinpelu  
*Senior Professional Staff  
Applied Physics Laboratory*

Vurul "Al" Aksakalli  
*Lityx, LLC*

Hedy V. Alavi  
*Program Chair, Environmental Engineering,  
Science and Management  
Whiting School of Engineering*

Charles Alexander  
*Senior Electrical Engineer (ret.)  
Department of Defense*

Syed W. Ali  
*Principal Professional Staff  
Applied Physics Laboratory*

Hollis Ambrose  
*Senior Professional Staff  
Applied Physics Laboratory*

Mostafa S. Aminzadeh  
*Professor, Mathematics  
Towson University*

A. Rajah Anandarajah  
*Professor, Civil Engineering  
Whiting School of Engineering*

Mario Ancona  
*Research Physicist  
Naval Research Laboratory*

Brian J. Anderson  
*Principal Professional Staff  
Applied Physics Laboratory*

John P. Anderson  
*Department Manager  
Raytheon Company*

Richard C. Anderson  
*Senior Professional Staff  
Applied Physics Laboratory*

Thomas F. Anderson  
*Vice President  
Occidental Technologies*

Pamela Ansalvish  
*Software Engineer  
Naval Air Warfare Center/Aircraft Division*

Mehran Armand  
*Principal Professional Staff  
Applied Physics Laboratory*

Harish Arora  
*Director, Water Treatment  
Narasimhan Consulting Services, Inc.*

Dilipkumar Asthagiri  
*Assistant Professor,  
Chemical and Biomolecular Engineering  
Whiting School of Engineering*

Ra'Id S. Awadallah  
*Senior Professional Staff  
Applied Physics Laboratory*

Amit Banerjee  
*Senior Professional Staff  
Applied Physics Laboratory*

Isaac N. Bankman  
*Principal Professional Staff  
Applied Physics Laboratory  
Assistant Professor, Biomedical Engineering,  
School of Medicine*

George Barnas  
*Scientific Review Administrator  
National Institutes of Health*

Frank T. Barrancom Jr.  
*Senior Hydro Geologist/Project Manager  
EA Engineering, Science & Technology*

Timothy P. Barrett  
*Senior Professional Staff  
Applied Physics Laboratory*

Bradley O. Bates  
*Professor Program Management  
Defense Acquisition University*

Jeffrey P. Benedict  
*Cryptologic Mathematician*  
*National Security Administration*

Michael R. Berman  
*Leader, Fluid Dynamics Laboratory*  
*Food and Drug Administration*

Joshua I. Bernstein  
*Sector Director, Continuous Improvement*  
*Northrop Grumman Corporation*

Nicholas D. Beser  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Michael J. Betenbaugh  
*Professor, Chemical and Biomolecular Engineering*  
*Whiting School of Engineering*

Steven M. Biemer  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Allan W. Bjerkaas  
*Associate Dean*  
*Whiting School of Engineering*

Greg W. Blodgett  
*Proposal Manager*  
*Verizon Communications*

Barry A. Bodt  
*Mathematical Statistician*  
*U.S. Army Research Laboratory*

Robert S. Bokulic  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Bonnie K. Boland  
*Consultant*  
*Whiting School of Engineering*

John J. Boland  
*Professor Emeritus, Geography and*  
*Environmental Engineering*  
*Whiting School of Engineering*

John E. Boon  
*Operations Researcher*  
*Rand Corporation*

Bradley G. Boone  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Paul W. Boudra  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Raouf N. Boules  
*Professor and Department Chairperson*  
*Towson University*

Allan B. Bowers  
*Manager, Systems Engineering*  
*Lockheed Martin*

Michael P. Boyle  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Robert N. Britcher  
*Manager*  
*Lockheed Martin (ret.)*

C. David Brown  
*Consultant*

Grace S. Brush  
*Professor, Geography and Environmental Engineering*  
*Whiting School of Engineering*

Wayne A. Bryden  
*Vice President, Advanced Research*  
*ICx Technologies*

Thomas H. Buchanan  
*Raytheon*

Ralph G. Buckman  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Jack L. Burbank  
*Senior Professional Staff*  
*Applied Physics Laboratory*

John Burkhardt  
*Associate Professor,*  
*Mechanical Engineering Dept 11C*  
*U.S. Naval Academy*

Michael Caloyannides  
*Senior Fellow*  
*Mitretek Systems*

Charles B. Cameron  
*Assistant Professor of Electrical Engineering*  
*U.S. Naval Academy*

Robert C. Cammarata  
*Professor, Materials Science and Engineering*  
*Whiting School of Engineering*

Mark R. Campbell  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Henry E. Cardwell  
*Research Staff*  
*US Army Corp of Engineers*

Drew Carlson  
*Clinical Associate Professor*  
*University of Maryland School of Medicine*

Micah Carlson  
*Principal Professional Staff*  
*Applied Physics Laboratory*

John H. Carmody  
*Senior Professional Staff System Engineer*  
*Lockheed Martin*

Amy H. Caruso  
*Program Manager*  
*US Naval Air Systems Command*

Beryl E. Castello  
*Lecturer, Applied Mathematics & Statistics*  
*Whiting School of Engineering*

Harry K. Charles, Jr.  
*Program Chair, Principal Professional Staff*  
*Applied Physics Laboratory*

Jeffrey S. Chavis  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Donald Chi  
*Deputy Director*  
*Food and Drug Administration*

Philip W. Ching  
*President*  
*Aplix Research, Inc.*

James B. Chism  
*Owner*  
*Management Consultants*

Kiran N. Chittargi  
*Systems Architect*  
*Lockheed Martin, IS&S*

Eleanor Boyle Chlan  
*Senior Lecturer*  
*Engineering for Professionals*  
*Whiting School of Engineering*

Michael P. Collins  
*Chief Scientist*  
*Red Jack, LLC*

James E. Coolahan  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Edward H. Cormier  
*Program Manager*  
*Department of Treasury*

Thomas M. Corrigan  
*Senior Professional Staff*  
*Applied Physics Laboratory*

James J. Costabile  
*Principal Engineer*  
*RABA Technologies*

William (Max) B. Crownover  
*Program Manager*  
*Applied Physics Laboratory*

Michael Curley  
*President*  
*Environmental Finance, LLC*

Protagoras N. Cutchis  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Roger Dabbah  
*Principal Consultant*  
*Tri-Intersect Solutions*

Dean Daghita  
*SRA International*

Robert A. Dalrymple  
*Professor, Civil Engineering*  
*Whiting School of Engineering*

Robert Daniel  
*Blue Ridge Consulting*

James M. D'Archangelo  
*Professor*  
*U.S. Naval Academy*

James P. Darling  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Edward H. Darlington  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Cleon Davis  
*Associate Professional Staff*  
*Applied Physics Laboratory*

Dale E. Dawson  
*Consulting Engineer*  
*Northrop Grumman Corporation*

Ryan M. Deacon  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Christopher Deboy  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Lisa Decker  
*Project Manager*  
*Whiting-Turner*

Michael J. Dellarco  
*Environmental Health Scientist*  
*U.S. Environmental Protection Agency*

Joseph M. Demasco  
*President*  
*Decision Support Consultants, Inc.*

Antonio DeSimone  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Jason Dever  
*Systems Engineer*  
*Lockheed Martin*

Jason G. DeVinney  
*Center for Computing Sciences*

Carol A. Dickson  
*Director, Training and Development*  
*Spirent Communications*

David Didion  
*Engineering Consultant*  
*Self Employed*

Teresa-Anne DiNovo Colella  
*Senior Professional Staff*  
*Applied Physics Laboratory*

G. Daniel Dockery  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Scott E. Donaldson  
*Senior Vice President*  
*SAIC*

Clint L. Edwards  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Janet C. Effler  
*Whiting School of Engineering*

J. Hugh Ellis  
*Professor, Civil Engineering*  
*Whiting School of Engineering*

Jill A. Engel-Cox  
*Senior Research Scientist*  
*Battelle Memorial Institute, Arlington Office*

Jonah D. Erlebacher  
*Assistant Professor, Materials Science and Engineering*  
*Whiting School of Engineering*

Maria Ermolaeva  
*Consultant*

Ralph Etienne-Cummings  
*Associate Professor, Electrical and Computer Engineering*  
*Whiting School of Engineering*

Robert B. Evans  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Joseph A. Everett  
*Electronics Engineer*  
*Department of Defense*

Ronald S. Farris  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Charles L. Farthing  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Raul Fainchtein  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Christian Fazi  
*U.S. Army Research Lab*

Leonid Felikson  
*Professional Staff*  
*Freddie Mac*

Tatyana Felikson  
*Senior Technical Analyst*  
*Freddie Mac*

L. Douglas Ferguson  
*Advisory Engineer*  
*Northrop Grumman Corporation*

Charles R. Fidler  
*Senior Systems Engineer*  
*Mantech SRS Technologies*

Stanley M. Finger  
*President*  
*ECI, Inc.*

Robert K. Finlayson  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Donniell Fishkind  
*Associate Research Professor*  
*Whiting School of Engineering*

David Flanigan  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Mark A. Fleischer  
*Ultratex, LLC*

Mary Laurette (Laurie) Fletcher  
*Vice President*  
*Fraser Technical Consulting*

Timothy Foecke  
*Staff Materials Scientist*  
*National Institute of Standards and Technology*

Glen H. Fountain  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Kim R. Fowler  
*Systems Architect*  
*Cool Stream*

Alessandro Franchi  
*Environmental Engineer*  
*Carollo Engineers*

David E. Freund  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Robert L. Fry  
*Senior Corporate Staff*  
*Systems Engineering Group, Inc.*

Richard F. Gasparovic  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Glenn S. Gealy  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Louis R. Gieszl  
*Senior Professional Staff (ret.)*  
*Applied Physics Laboratory*

Daniel E. Gilbert  
*Program Manager*  
*Northrop Grumman Corporation*

Robert E. Glaser  
*President*  
*IC Engineering, Inc.*

Elizabeth Glowatski  
*Post-Doctoral Fellow, Biomedical Engineering*  
*School of Medicine*

Andrew D. Goldfinger  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Barry E. Grabow  
*Principal Professional Staff*  
*Applied Physics Laboratory*

David Gracias  
*Assistant Professor,*  
*Chemical and Biomolecular Engineering*  
*Whiting School of Engineering*

Lori Graham-Brady  
*Assistant Professor, Civil Engineering*  
*Whiting School of Engineering*

Conrad Grant  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Peter W. Green  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Alan W. Gronlund  
*Group Supervisor*  
*Applied Physics Laboratory*

Robert S. Grossman  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Thomas C. Gump  
*Telecommunications Engineer*  
*Center for the Advanced Study of Language*  
*University of Maryland*

Jeffrey Gustin  
*Senior Advisory Engineer*  
*Northrop Grumman Corporation*

Eileen B. Haase  
*Instructor, Biomedical Engineering*  
*School of Medicine*

Joseph W. Haber  
*Associate Professional Staff*  
*Applied Physics Laboratory*

Marty Hall  
*President*  
*Coreservlets.com, Inc.*

A. Roger Hammons  
*Senior Professional Staff*  
*Applied Physics Laboratory*

David K. Han  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Timothy Hanson  
*Senior Consulting Engineer*  
*Opnet Technologies*

Lorenz J. Happel  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Salman Haq  
*Project Manager*  
*U.S. Nuclear Regulatory Commission*

Peter J. Harmatuk  
*Senior Systems Engineer*  
*Boeing Company*

Alton D. Harris  
*U.S. Department of Energy*

Stuart D. Harshbarger  
Principal Professional Staff  
Applied Physics Laboratory

Edward A. Haser  
Consulting Engineer  
Northrop Grumman Corporation

S. Edward Hawkins III  
Principal Professional Staff  
Applied Physics Laboratory

William M. Healy  
Group Leader  
National Institute of Standards and Technologies

David Heinbuch  
Senior Professional Staff  
Applied Physics Laboratory

Kevin Hemker  
Professor, Mechanical Engineering  
Whiting School of Engineering

Stephen K. Hendricks  
Supervisory Engineer  
U.S. Navy

Matthew H. Henry  
Senior Professional Staff  
Applied Physics Laboratory

Bryan E. Herdlick  
Senior Professional Staff  
Applied Physics Laboratory

Reagan Herman  
Assistant Professor, Civil Engineering  
Whiting School of Engineering

David E. Hess  
Mechanical Engineer  
Naval Surface Warfare Center

William B. Hilgartner  
Science Department Chair,  
Faculty-Biology & Ecology  
Friends School of Baltimore

Stacy D. Hill  
Senior Professional Staff  
Applied Physics Laboratory

Angela M. Hodge  
Senior Professional Staff  
Applied Physics Laboratory

Tarisa E. Holbrook  
Program Manager  
SRA International, Inc.

Brian L. Holub  
Principal Professional Staff  
Applied Physics Laboratory

Mary M. Hopkins  
The Aerospace Corporation

Christine Horne  
Vice President Engineering/Operations  
Lockheed Martin

Jeffrey G. Houser  
Electronics Engineer  
U.S. Army Research Laboratory

Stephen Hsiao  
Associate Professor, Neuroscience  
School of Medicine

Harry T. Hsu  
Principal Network Engineer (ret.)  
Unisys Corporation

Patrick Hudson  
Senior Professional Staff  
Applied Physics Laboratory

Todd C. Hufnagel  
Professor, Materials Science and Engineering  
Whiting School of Engineering

Hsien-Ming James Hung  
FDA

Lawrence A. Husick  
Senior Fellow  
Foreign Policy Research Institute

Pablo Iglesias  
Professor, Electrical and Computer Engineering  
Whiting School of Engineering

Elisabeth Immer  
Senior Professional Staff  
Applied Physics Laboratory

Robert W. Ivester  
Mechanical Engineer  
National Institute of Standards and Technology

Daniel G. Jablonski  
Principal Professional Staff  
Applied Physics Laboratory

Mia Z. Jackson  
Senior Professional Staff  
Applied Physics Laboratory

Bryan C. Jacobs  
Principal Professional Staff  
Applied Physics Laboratory

Brian K. Jennison  
Principal Professional Staff  
Applied Physics Laboratory

Anil John  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Michael C. Jones  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Richard I. Joseph  
*Professor, Electrical and Computer Engineering*  
*Whiting School of Engineering*

Peter M. Joyce  
*CCBC at Catonsville*

George E. Kalb  
*Senior Advisory Engineer*  
*Northrop Grumman Corporation*

Jed C. Kane  
*Lead Systems Engineer*  
*The MITRE Corporation*

Jin U. Kang  
*Professor, Electrical and Computer Engineering*  
*Whiting School of Engineering*

Brian L. Kantsiper  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Dimosthenis Katsis  
*Athena Energy*

Roger D. Kaul  
*Supervisory Electronics Engineer (ret.)*  
*U.S. Army Research Laboratory*

John F. Keane  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Albert Kinney  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Thomas J. Kistenmacher  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Michael Kleinberger  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Matthew I. Koch  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Konstantinos Konstantopoulos  
*Chemical and Biomolecular Engineering*  
*Whiting School of Engineering*

Iyengar Krishnan  
*Consultant*  
*Booz Allen Hamilton*

David L. Krueger  
*Chief Engineer, Air Force Mission Services*  
*IBM Global Business Services*

Robert E. Krzystan  
*Senior Advisory Engineer*  
*Northrop Grumman Corporation*

Prasun K. Kundu  
*Research Scientist, GEST Center*  
*University of Maryland*

Dar-Ning Kung  
*Staff Assistant*  
*National Institutes of Health*

James L. Lamb  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Sam O. Lane  
*Deputy Program Manager*  
*The MITRE Corporation*

Nicholas J. Langhauser  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Mitch M. Lasat  
*Environmental Scientist*  
*Environmental Protection Agency*

Mary D. Lasky  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Matthew Lear  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Richard B. Lee  
*Principal RF Engineer*  
*Northrop Grumman Corporation*

Paul G. Leiman  
*Principal*  
*KeyWitness Consulting*

Andrew Lennon  
*Applied Physics Laboratory*

Jeffrey Lesho  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Andre Levchenko  
*Assistant Professor, Biomedical Engineering*  
*Whiting School of Engineering*

Jeffrey S. Levin  
Senior Professional Staff  
Applied Physics Laboratory

William Lew  
Director  
Deloitte Touche

Anastasios Liakos  
Assistant Professor  
US Naval Academy

William G. Liggett  
Principal Professional Staff  
Applied Physics Laboratory

Ralph G. Lightner  
Director (ret.)  
U.S. Department of Energy

Jon S. Lindberg  
Senior Professional Staff  
Applied Physics Laboratory

Simon Y. Liu  
Director of Information Systems  
National Institutes of Health/NLM

Thomas H. Llanso  
Senior Professional Staff  
Applied Physics Laboratory

Thomas Longstaff  
Senior Professional Staff  
Applied Physics Laboratory

Gilbert H. Lovell  
Senior Controls Engineer  
Advanced Technology & Research Corporation

Horace Malcom  
Principal Professional Staff  
Applied Physics Laboratory

Hashmat R. Malik  
President  
Software Productivity Strategists, Inc.

Sanjeev Malushte  
Senior Engineering Specialist  
Bechtel Power Corporation

Hai-Quan Mao  
Assistant Professor, Materials Science and Engineering  
Whiting School of Engineering

Geoffrey Marcus  
Senior Professional Staff  
Applied Physics Laboratory

Maury I. Marks  
Advisory Engineer  
Northrop Grumman Corporation

Mark N. Martin  
Principal Professional Staff  
Applied Physics Laboratory

Ralph M. May  
Senior Director  
America Online

Jeffrey S. Mayer  
Technical Director  
Hanscom, AFB

Russell L. McCally  
Principal Professional Staff, Program Chair  
Applied Physics Laboratory  
Associate Professor, Ophthalmology  
School of Medicine

Kevin McClaning  
Department of Defense

Richard A. McDonnell  
Product Line Chief Engineer  
Raytheon Company

Randy L. McGuire  
The MITRE Corporation

Eugene D. McHugh  
Program Manager  
RedBlack Communications

Michael P. McLoughlin  
Principal Professional Staff  
Applied Physics Laboratory

Paul McNamee  
Research Scientist  
Johns Hopkins University, HLTCOE,  
Applied Physics Laboratory

Allan D. McQuarrie  
Senior Professional Staff  
Applied Physics Laboratory

Richard C. Meitzler  
Principal Professional Staff  
Applied Physics Laboratory

William M. Menner  
Principal Professional Staff  
Applied Physics Laboratory

Ellis W. Merschoff  
President  
CGE, LLC

Richard Meyer  
Principal Professional Staff  
Applied Physics Laboratory  
Professor, Neurosurgery & Biomedical Engineering,  
School of Medicine

John Miklos  
*Senior Programmer (ret.)*  
*Lockheed Martin Corporation*

Timothy Miller  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Steven M. Miner  
*Professor*  
*U.S. Naval Academy*

Amitabh Mishra  
*Assistant Research Professor, Computer Science*  
*Whiting School of Engineering*

Kimberlee M. Mitchel  
*Senior Executive (ret.)*  
*Social Security Administration*

Mistra Moazami  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Jaime Montemayor  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Matthew Montoya  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Victoria V. Mosley  
*Principal Engineer*  
*Northrop Grumman Corporation*

Sarah E. Mouring  
*Associate Professor*  
*U.S. Naval Academy*

Zohreh Y. Movahed  
*Regulatory Services Group Leader*  
*Washington Suburb Sanitary Commission*

James T. Mueller  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Patricia K. Murphy  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Eric Naber  
*Associate Professional Staff*  
*Applied Physics Laboratory*

Barin N. Nag  
*Professor*  
*Towson University*

Amir-Homayoon Najmi  
*Senior Professional Staff*  
*Applied Physics Laboratory*

George Nakos  
*Professor, Mathematics*  
*U.S. Naval Academy*

Nasser M. Nasrabadi  
*Senior Research Scientist*  
*U.S. Army Research Laboratory*

Aaron B. Navarro  
*Assistant Director for Program Development*  
*National Library of Medicine*

David W. Nesbitt  
*Principal Software Engineer*  
*AOL Technologies/MapQuest*

Christine L. Nickel  
*Lecturer, Institute for Policy Studies*  
*Johns Hopkins University*

Richard J. Nieporent  
*Senior Principal Engineer*  
*MITRE Corporation*

John C. Noble  
*Principal Professional Staff*  
*Applied Physics Laboratory*

John C. O'Connor  
*Manager, Flight Test Training Continuum*  
*U.S. Naval Test Pilot School*

Albert Olagbemiro  
*Associate*  
*Booz Allen Hamilton*

Michael E. Pafford  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Neil F. Palumbo  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Anna Panchenko  
*Staff Scientist*  
*National Institutes of Health*

C. Thompson Pardoe  
*Principal Professional Staff (ret.)*  
*Applied Physics Laboratory*

Michael V. Pascale  
*President*  
*Engenium Technology*

Wayne J. Pavalko  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Moustapha N. Pemy  
*Assistant Professor*  
*Towson University*

John Penn  
*Electrical Engineer*  
*U.S. Army Research Laboratory*

Catherine J. Pennington  
*Associate Executive Director*  
*The MITRE Corporation*

Dzung L. Pham  
*Assistant Professor*  
*Neuroradiology Division*  
*School of Medicine*

Albert C. Piccirillo  
*Research Staff Member*  
*Institute for Defense Analyses*

Harold L. Pierson  
*Research Scientist (ret.)*  
*Federal Aviation Administration*

John A. Piorkowski  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Vincent L. Pisacane  
*Professor of Aerospace Engineering*  
*U.S. Naval Academy*

Harold J. Podell  
*Assistant Director*  
*Center for Technology and Engineering*  
*U.S. General Accounting Office*

Theodore Poehler  
*Vice Provost*  
*Johns Hopkins University*

Thomas Pole  
*Harris Corp*

David L. Porter  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Richard S. Potember  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Kenneth A. Potocki  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Christopher L. Powers  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Andrea Prosperetti  
*Charles A. Miller Distinguished Professor*  
*Professor, Mechanical Engineering*  
*Whiting School of Engineering*

G. Scott Pringle  
*Software Architect*  
*Sphere of Influence, Inc.*

Joseph R. Prisella  
*Deputy Program Manager*  
*NAVAIR*

Teresa Przytycka  
*Investigator*  
*National Institutes of Health*

Alan J. Pue  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Jeffrey P. Raffensperger  
*Research Hydrologist*  
*U.S. Geological Survey/Water Resources Discipline*

Francis R. Rahl  
*Manager, Systems Assessments*  
*Northrop Grumman Corporation*

Jessica Ramella-Roman  
*Assistant Professor, Biomedical Engineering*  
*Catholic University*

K.T. Ramesh  
*Professor, Mechanical Engineering, Chair*  
*Whiting School of Engineering*

Michael A. Reece  
*Assistant Professor*  
*Morgan State University*

Mohamed Refaei  
*National Institute of Standards and Technology*

William M. Reid  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Carl O. Reitz  
*Assistant Program Executive Officer (ret.)*  
*U.S. Naval Air Systems Command*

Cheryl Resch  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Richard L. Rhorer  
*National Institute of Standards and Technology*

David C. Rhude  
*Senior Electronic Engineer*  
*Department of Defense*

Nathan Richardson  
*School of Engineering*  
*Morgan State University*

Kurt Riegel  
*Consultant*

Daniel Rio  
*Research Physicist*  
*National Institutes of Health*

Michael A. Robert  
*Branch Head*  
*Naval Surface Warfare Center*

Jack C. Roberts  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Robbin Roddewig  
*Principal Staff*  
*GCI*

Eric W. Rogala  
*Applied Physics Laboratory*

Igor Rogozin  
*National Institutes of Health*

John A. Romano  
*Director of IT*  
*University of Maryland*

John G. Romanski  
*Senior Advisory Engineer*  
*Northrop Grumman Corporation*

Robert W. Root  
*Instructor*  
*Wakefield School*

William E. Roper  
*Director of Department of Environmental Services*  
*Chief Environmental Officer*  
*Arlington County*

Bruce R. Russell  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Colleen E. Russell  
*Computer Scientist*  
*Department of Defense*

Christopher M. Ryder  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Brian Sadler  
*Senior Research Scientist*  
*U.S. Army Research Lab*

John Sadowsky  
*Senior Associate*  
*Zeta Associates, Inc.*

Jennifer L. Sample  
*Senior Professional Staff*  
*Applied Physics Laboratory*

John Samsundar  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Randy Saunders  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Benjamin Schafer  
*Assistant Professor, Civil Engineering*  
*Whiting School of Engineering*

Samuel J. Schappelle  
*Independent Consultant*

Keith Scott  
*Principal Engineer*  
*MITRE Corporation*

Edward R. Scheinerman  
*Vice Dean for Education*  
*Professor, Applied Mathematics and Statistics*  
*Whiting School of Engineering*

Jerry Schepers  
*Vice President*  
*Praxis Engineering*

Raymond M. Schulmeyer  
*Program Manager (ret.)*  
*Northrop Grumman Corporation*

Albert V. Secen  
*Senior Engineer*  
*Lockheed Martin Corporation*

Jonathan W. Selby  
*Marine Aviation Detachment*  
*USMC*

Ralph Semmel  
*Principal Professional Staff, Program Chair*  
*Applied Physics Laboratory*

H. Brian Sequeira  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Samuel J. Seymour  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Lian Shen  
*Assistant Professor, Civil Engineering*  
*Whiting School of Engineering*

John W. Sheppard  
*RightNow Technologies Distinguished Professor*  
*Montana State University*

Karthik Shyamsunder  
*Application Architect*  
*VeriSign, Inc.*

D. J. Shyy  
Principal Communications Engineer  
MITRE Corporation

Stanley G. Siegel  
Systems Engineer  
SAIC

Vincent Sigillito  
Principal Professional Staff (ret)  
Applied Physics Laboratory

David P. Silberberg  
Principal Professional Staff  
Applied Physics Laboratory

David M. Silver  
Principal Professional Staff  
Applied Physics Laboratory

J. Mark Simons  
Communications Engineer  
The MITRE Corporation

Dexter G. Smith  
Principal Professional Staff, Program Chair  
Applied Physics Laboratory

Francis G. Smith  
Networking Consultant  
BAE Systems

Gordon D. Smith  
Principal Professional Staff (ret.)  
Applied Physics Laboratory

Scott Smith  
Professor, Computer Science  
Whiting School of Engineering

Thomas C. Smith  
Senior Professional Staff  
Applied Physics Laboratory

Edward A. Smyth  
Principal Professional Staff  
Applied Physics Laboratory

Philip H. Snyder  
Global Exchange Services

John C. Sommerer  
Principal Professional Staff  
Applied Physics Laboratory

Paul Sotiriadis  
Electrical and Computer Engineering  
Whiting School of Engineering

Raymond M. Sova  
Principal Professional Staff  
Applied Physics Laboratory

James C. Spall  
Principal Professional Staff, Program Chair  
Applied Physics Laboratory

Alexander A. Spector  
Research Professor, Biomedical Engineering  
Whiting School of Engineering

James B. Spicer  
Professor, Materials Science and Engineering  
Whiting School of Engineering

Richard F. Spiegel  
Senior Professional Staff  
Applied Physics Laboratory

Thomas S. Spisz  
Senior Professional Staff  
Applied Physics Laboratory

Gordon L. Sprigg  
Manager  
Northrop Grumman Corporation

James C. Stafford  
Principal Engineer  
SRA International

Patrick H. Stakem  
Senior Systems Engineer  
MEI Technologies, Inc.

Scott Stanchfield  
Senior Professional Staff  
Applied Physics Laboratory

Kathleen Stebe  
Professor, Chemical and Biomolecular Engineering  
Whiting School of Engineering

Jay A. Stern  
Product Line Chief Engineer  
Raytheon Company

Andrew Stoddard  
Principal Environmental Engineer  
Dynamic Solutions, LLC.

Dan M. Stoianovici  
Associate Professor  
School of Medicine

Larry D. Strawser  
Senior Professional Staff  
Applied Physics Laboratory

Seema Sud  
Senior Scientist  
GCI

Robert M. Summers  
Director, Water Management Administration  
Maryland Department of the Environment

Susan J. Supplee  
*Contract Specialist*  
*Department of the Navy/NAVAIR*

Joseph J. Suter  
*Principal Professional Staff, Program Chair*  
*Applied Physics Laboratory*

Robert. S. Swarz  
*The MITRE Corporation*

Robert L. Sweeney  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Daniel P. Syed  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Shahin Taavoni  
*President*  
*Structural Software, Inc.*

Stanislaw E. Tarchalski  
*Director, Systems Engineering*  
*IBM Corporation*

Leslie D. Taylor  
*Spy, General Engineering*  
*U.S. Navy*

Stewart W. Taylor  
*Senior Principal Engineer*  
*Bechtel Corporation*

Jacqueline Telford  
*Applied Physics Laboratory*

Deanna Temkin  
*Senior Professional Staff*  
*Applied Physics Laboratory*

David H. Terry  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Nitish V. Thakor  
*Professor, Biomedical Engineering*  
*School of Medicine*

Cassie M. Thomas  
*Booz Allen Hamilton*

Michael E. Thomas  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Donald R. Thompson  
*Principal Professional Staff*  
*Applied Physics Laboratory*

G. Richard Thompson  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Patricia M. Thompson  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Willie L. Thompson II  
*Electronic Engineer*  
*NASA Goddard Space Flight Center*

Bunny J. Tjaden  
*Associate Professor, Computer Science*  
*Anne Arundel Community College*

Ronald G. Tobin  
*Electronics Engineer*  
*U.S Army Research Laboratory*

Fred Torcaso  
*Senior Lecturer, Applied/Computational Mathematics*  
*Whiting School of Engineering*

William E. Torruellas  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Craig R. Toussaint  
*President and CEO*  
*Toussaint Consulting Association*

Peter M. Trask  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Christine M. Trent  
*Senior Consultant*  
*Sabre Systems*

Morgana M. Trexler  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Gerard V. Trunk  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Overton M. Tuck  
*VP of Engineering*  
*The Consulting Network, Inc. (TCNI)*

Aleksandr Ukhorskiy  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Thomas J. Urban  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Christian J. Utara  
*Chief Engineer, St. Inigoes*  
*NAWCAD*

Frank. C. Vaughan  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Andrew Veronis  
*Professor*  
*Johns Hopkins University*  
*George Washington University*

Paul A. Vichot  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Richard L. Waddell, Jr.  
*Principal Professional Staff*  
*Applied Physics Laboratory*

I-Jeng Wang  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Sue-Jane Wang  
*Senior Mathematical Statistician*  
*U.S. Food and Drug Administration*

Ye D. Wang  
*Assistant Professor of Applied Information Technology*  
*George Mason University*

Sharon A. Warner  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Heath E. Warren  
*Computer Specialist*  
NAWCAD

Darryl E. Washington  
*The MITRE Corporation*

C. Anthony Waters  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Adam Watkins  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Timothy P. Weihs  
*Professor, Materials Science and Engineering*  
*Whiting School of Engineering*

Daniel E. Weimer  
*CTO*  
*Integrated Computer Concepts, Inc.*

Steven Weiss  
*Electrical Engineer*  
*U.S. Army Research Lab*

William J. Weiss  
*Senior Engineer*  
*Hazen and Sawyer P.C.*

Douglas Wenstrand  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Brenda K. Wetzel  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Frederick O. Wheeler  
*Management Consultant*  
*Self-employed*

J. Miller Whisnant  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Louis Whitcomb  
*Professor, Mechanical Engineering*  
*Whiting School of Engineering*

Michael E. White  
*Principal Professional Staff*  
*Applied Physics Laboratory*

Michael J. White  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Peter R. Wilcock  
*Professor, Geography and Environmental Engineering*  
*Whiting School of Engineering*

Justin C. Williams  
*Associate Research Professor*  
*Whiting School of Engineering*

Ray M. Williamson  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Wayne L. Wilmot  
*Chief Scientist*  
*National Oceanic Atmospheric Administration*

Shari T. Wilson  
*Chief Solicitor, Land Use Division*  
*Maryland Department of the Environment*

Liza Wilson-Durant  
*President*  
*Cambrian Corporation*

Nathaniel J. Winstead  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Audrey B. Winston  
*Principal Systems Engineer*  
*MITRE Corporation*

Denis Wirtz  
*Professor, Chemical and Biomolecular Engineering*  
*Whiting School of Engineering*

Richard J. Wyant  
*Principal Professional Staff*  
*Applied Physics Laboratory*

## Faculty

---

David W. Young  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Michael Yu  
*Assistant Professor, Material Science and Engineering*  
*Whiting School of Engineering*

Yan M. Yufik  
*Director*  
*Institute of Medical Cybernetics, Inc.*

David Zaret  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Dajie Zhang  
*Associate Research Scientist*  
*Whiting School of Engineering*

Harold Zheng  
*Senior Professional Staff*  
*Applied Physics Laboratory*

Janice A. Ziarko  
*Assistant Manager*  
*The MITRE Corporation*

Edward V. Ziegler  
*Senior Computer Engineer*  
*NSA*

Lei Zong  
*Key Technologies*

Gerald H. Zuelsdorf  
*Senior Electrical Engineer*  
*NSA*