University Transportation Centers

16th Annual Outstanding Student of the Year Awards

Transportation Research Board
86th Annual Meeting

Omni Shoreham Hotel,
Washington, DC

January 20, 2007

U.S. Department of Transportation
Research and Innovative Technology Administration

WELCOME

Welcome to the 16th Annual Outstanding Student of the Year Awards ceremony, sponsored by the U.S. Department of Transportation.

Each year at the annual winter meeting of the Transportation Research Board, the Department honors the most outstanding student from each participating University Transportation Center for his/her achievements and promise for future contributions to the transportation field. Students of the Year are selected based on their accomplishments in such areas as technical merit and research, academic performance, professionalism, and leadership.

The Research and Innovative Technology Administration (RITA) administers the University Transportation Centers program, with funding from the Federal Highway Administration and the Federal Transit Administration. This year, continuing the tradition of One DOT, the Department will also honor a student from the Air Transportation Centers of Excellence, sponsored by the Federal Aviation Administration.

University Transportation Centers Program

Developments in transportation technology over the decades have caused the world to expand, not in dimension but in terms of accessibility. Transportation has always played a major role in society. The degree of efficiency in getting people or goods from one point to another plays a pivotal role in determining the health of an economy and in the general well-being of a nation.

Recognizing the need to encourage efficient movement in all transportation sectors of the country, the U.S. Department of Transportation established the University Transportation Centers (UTC) Program in 1987 (Title 49, U.S. Code Appendix 1607 c) to establish and operate 10 transportation centers, one for each of the federal regions. Since that time, the UTC Program has expanded to include 60 centers with a $69.7 million annual budget, as authorized by the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU).

The mission of the UTCs is to advance U.S. technology and expertise in transportation through education, research, and technology transfer. Of the 60 UTCs, 52 are required to match federal funds dollar for dollar.

The UTC Program is managed by the Research and Innovative Technology Administration, U.S. Department of Transportation.

Federal Aviation Administration
Air Transportation Centers of Excellence

Under the authority provided in Public Law 101-508, the Federal Aviation Administration (FAA) establishes geographically equitable, multiyear, cost-sharing partnerships with academia, industry, government, and Air Transportation Centers of Excellence (COEs). These centers focus on critical aviation-related topics while maximizing federal resources. Supporting FAA and meeting the requirements of the aviation community, Air Transportation COEs perform basic research through engineering development and prototyping, education, and training.

The purpose of these competitive partnerships is to forge nationwide unions with the public sector (FAA, airport authorities, state/local governments, etc.), private sector (airlines, manufacturers, etc.), and academic institutions. Through COEs, the FAA defines a strategic research agenda and sets goals that facilitate coordinated research activities, fosters a collaborative national dialogue, and avoids duplication of effort. The FAA deliberately strives to create world-class consortia focused on identifying innovative solutions for existing and anticipated aviation problems, and enhances the nation's knowledge base while educating and training a pool of scientists for the next generation.

Since 1992, the FAA has established eight COE partnerships with more than 70 universities throughout the U.S. and has supported over 550 research projects and 1,000 students. Important research outcomes are documented in over 2,000 publications, reports, and doctoral theses. FAA COEs now reflect a $300 million level of effort, funded through matching funds provided by academia, industry, federal grants, and contracts.

University Transportation Centers

Outstanding Students of the Year

Ralph Hall
Massachusetts Institute of Technology

Eugene Sit
City College of New York

Frank Goetzke
West Virginia University

Diego F. Arguea
University of Florida

Nicholas Hornyak
Marquette University

Rachel Copperman
University of Texas-Austin

Joshua L. Hochstein
Iowa State University

Travis Burgers
North Dakota State University

Kenneth Kuhn
University of California-Berkeley

Tony Woody
University of Washington

Johnnie Waid
University of Alabama-Birmingham

Wilhelm Muench
University of Alaska-Fairbanks

Brian Mattingly
University of Arkansas

Nicholas Lutsey
University of California-Davis

Ryan J. Cunningham
University of Central Florida

University Transportation Centers

Outstanding Students of the Year

John Cleary
Cleveland State University

Angela Stubblefield
George Mason University

Matthew Benke
University of Idaho

David Lawson
Marshall University

Adam Kokotovitch
University of Minnesota

Jared E. Brewe
University of Missouri–Rolla

Kathryn O'Keefe
Montana State University

Laura E. Sullivan-Green
Northwestern University

Max Coffman
Portland State University

Aaron Clark
University of Rhode Island

Rambod Hadidi
Rutgers, The State University of New Jersey

Christina Watson
San Jose State University

Paul Huggins
South Carolina State University

JiYoung Park
University of Southern California

Oliver Page
University of South Florida

University Transportation Centers

Outstanding Students of the Year

Guy Schafer
University of Toledo

Brian Kukay
Utah State University

Emily J. Stebbins
University of Vermont

Arlen Planting
Boise State University

New England University Transportation Center (Region 1)

MASSACHUSETTS INSTITUTE OF TECHNOLOGY W/CONSORTIUM

DR. RALPH HALL graduated from the Massachusetts Institute of Technology (MIT) in 2006 with a PhD from the Technology, Management, and Policy Program. Ralph is a graduate of the University of Southampton and worked as a civil engineer on a broad range of transportation infrastructure projects in the United Kingdom, Dubai, Venezuela, and Sri Lanka prior to coming to the United States in 2000.

While attending MIT, Ralph's main research activities focused on understanding and applying the concept of sustainable development to transportation planning processes in the United States. In addition to his academic pursuits, Ralph has undertaken work for the Office of the Secretary, U.S. DOT, in Washington, DC. This has involved briefing senior members of the Office of the Secretary on the concept of sustainable development to transportation. In 2003, Ralph prepared sections of a policy document explaining the U.S. DOT's position regarding the reauthorization of the Transportation Equity Act for the 21st Century (TEA-21). He also developed recommendations for the inclusion of sustainable transportation policies and legislation in the reauthorization of TEA-21.

Ralph was the overall winner of the UK Science, Engineering, and Technology Student of the Year Award for Best Civil Engineering Student in 1998. He has since been the recipient of awards including the Student Excellence and Leadership Award, the Best Thesis Award at MIT, and the Council of University Transportation Centers (CUTC) Wootan Award for research in the area of transportation policy and planning.

Ralph's outstanding career at MIT, his broad professional experience, the breadth and depth of his research, as well as his desire to teach and view transportation and sustainability from a global perspective, contributed to the basis for his selection. The New England University Transportation Center is proud to select Dr. Ralph Hall as its 2006 Outstanding Student of the Year.

University Transportation Research Center (Region 2)

CITY COLLEGE OF NEW YORK W/CONSORTIUM

EUGENE SIT is a native of New York City and graduated from Columbia University in 2002 with a departmental citation and a bachelor of science degree in civil engineering. Eugene was a C. Prescott Davis Scholar at Columbia, where he supplemented his engineering coursework with classes on transportation and urban development, architecture, planning, politics, and anthropology.

After graduating from Columbia, Eugene was employed by Vollmer Associates, LLP, as a junior engineer in the transportation department. There, he contributed analysis and field observation to a number of projects, including the reconstruction of Route 9A in Lower Manhattan by the New York State Department of Transportation.

Eugene is currently pursuing his master of science at the City College of New York (CCNY) and is the recipient of a scholarship from the Advanced Institute for Transportation Education (AITE). He is working on his thesis under the supervision of Professor Cynthia Chen of CCNY. His thesis project entails performing sensitivity testing on the New York Metropolitan Transportation Council's Best Practice Model, which represents one of the first uses of this model in academic research. It is hoped that Eugene's work will have implications for future regional travel demand models, both in their design and in their application to policy analysis.

The University Transportation Research Center is proud to select Eugene Sit as its 2006 Outstanding Student of the Year.

Mid-Atlantic Universities Transportation Center (Region 3)

WEST VIRGINIA UNIVERSITY W/CONSORTIUM

FRANK GOETZKE graduated from West Virginia University in 2006 with a PhD in economics. While attending West Virginia University, Frank was a dissertation fellow for the Harley O. Staggers National Transportation Center. He has worked as a transportation consultant and senior transportation planner for Cambridge Systematics in Cambridge, Massachusetts, and Chicago, Illinois. Currently, Frank is an assistant professor for urban economics at the School of Urban and Public Affairs at the University of Louisville in Louisville, Kentucky.

Frank has combined his academic background in economics and his work experience in transportation consulting to accomplish a number of successful research projects for his dissertation as well as for the National Transportation Center at West Virginia University. His creativity, resourcefulness, quantitative skills, and depth of knowledge are truly exceptional. In addition to his research and academic accomplishments, Frank has proven to be a highly capable transportation analyst on numerous urban transportation studies.

The Mid-Atlantic Universities Transportation Center is pleased to select Frank Goetzke as its 2006 Outstanding Student of the Year.

Southeastern Transportation Center (Region 4)

UNIVERSITY OF FLORIDA W/CONSORTIUM

DIEGO FEDERICO ARGUEA was born in Jerusalem and resided in Argentina and California before moving to Florida with his parents in 1990. Diego studied in Madrid for one year and received his high-school and international baccalaureate diploma from Pensacola High School.

Diego received a bachelor of science degree from the University of Florida in 2004. He also completed a minor degree in business and received a certificate in engineering sales. Diego was licensed as an engineer-in-training (EIT) in the State of Florida in 2004 and has consulting experience from two internships with civil engineering companies. From 2004 through 2006, Diego worked with the Transportation Research Center at the University of Florida, Department of Civil and Coastal Engineering.

Diego completed his graduate work and received a master of science degree in civil engineering with a concentration in transportation. In addition to his studies, Diego has been active in the Institute of Transportation Engineers (ITE) as well as the University of Florida's tennis club. He was selected to attend the annual Eno Transportation Leadership Development Conference in Washington, D.C., held in May 2006.

Diego has actively pursued his interests in transportation engineering. He joined the transportation engineering and planning firm of Kittelson & Associates, Inc., in August 2006 and was part of an information and recruitment effort at the University of Florida.

The Southeastern Transportation Center is proud to select Diego Federico Arguea as its 2006 Outstanding Student of the Year.

Midwest Regional University Transportation Center (Region 5)

MARQUETTE UNIVERSITY W/CONSORTIUM

NICHOLAS HORNYAK is a PhD candidate in civil engineering at the Midwest Regional University Transportation Center's consortium partner institution, Marquette University.

Nicholas received a bachelor of science degree in 2003 from Marquette University and he earned a master of science degree in 2005. He served as a teaching assistant for transportation laboratory courses and was a research assistant on two separate pavement instrumentation projects, including an instrumentation of the Marquette Interchange Perpetual Hot Mix Asphalt Pavement.

Nicholas intends to pursue a career in teaching at the university level and to be involved in offering short courses to practicing engineers. He has already gained significant teaching experience at Marquette University. Based on the feedback of course instructors and students, Nicholas was consistently well prepared for labs and was superb in teaching students how to conduct experiments in a reliable manner.

Nicholas has also contributed greatly through his community service work with Habitat for Humanity and Catholic High School. He traveled to Guatemala as part of Marquette's international service learning program and played a significant role in the design and construction of a concrete bridge for people living in a small village.

The Midwest Regional University Transportation Center is proud to select Nicholas Hornyak as its 2006 Outstanding Student of the Year.

Southwest Region University Transportation Center (Region 6)

THE UNIVERSITY OF TEXAS AT AUSTIN W/CONSORTIUM

RACHEL B. COPPERMAN is currently a PhD candidate in transportation engineering at The University of Texas at Austin. Rachel received a master of science in civil engineering from The University of Texas at Austin and a bachelor of science in systems engineering from the University of Virginia. Rachel's master's thesis and dissertation research focuses on understanding the motivations and behavior underlying children's travel patterns. She is also currently conducting research in the area of activity-based travel demand modeling by contributing to the development of continuous-time activity-travel prediction software for the Dallas, Fort Worth area.

Rachel is a current recipient of the Eisenhower Graduate Transportation Fellowship and attended the 2005 Eno Leadership Development Conference. She is also the current president and past vice president of The University of Texas at Austin's student chapter of the Institute of Transportation Engineers (ITE). Rachel received the Southwest Region University Transportation Center (SWUTC) Dr. Naomi Ledé Award to the Outstanding Masters Student and was selected as the SWUTC 2006 Outstanding Student of the Year because of her all-round exemplary performance in academics, research quality, productivity, and leadership activities.

The Southwest Region University Transportation Center is proud to select Rachel B. Copperman as its 2006 Outstanding Student of the Year.

Midwestern Transportation Consortium (Region 7)

IOWA STATE UNIVERSITY W/CONSORTIUM

JOSHUA HOCHSTEIN is pursuing a PhD in civil engineering (transportation) at Iowa State University with a minor in statistics. He is employed as a graduate research assistant at the Center for Transportation Research and Education (CTRE). His research interests include traffic safety data analysis and roadway design with special emphasis on rural expressway intersections. Joshua is currently assisting Dr. Tom Maze with National Cooperative Highway Research Project (NCHRP) 15-30, "Median Intersection Design for Rural High-Speed Divided Highways."

Joshua received a bachelor of science in civil engineering with highest distinction from the University of Nebraska-Lincoln in 2001. In that same year, he received his certification as an engineer-in-training (EIT) from the Nebraska Board of Engineers and Architects. As Joshua pursues his PhD, he is concurrently finishing the thesis requirement for a master of science in civil engineering (transportation) at the University of Nebraska-Lincoln.

Joshua serves as secretary of the Iowa State Transportation Student Association (TSA). He is an Eisenhower Fellow, was recently awarded first place in the 2006 Thomas J. Seburn MOVITE Student Paper Competition, and won first place in the International Highway Engineering Exchange Program's Educator and Student Participation competition. Joshua was chosen for this award because of his academic successes and his especially strong research record.

The Midwestern Transportation Consortium is proud to select Joshua Hochstein as its 2006 Outstanding Student of the Year.

Mountain-Plains Consortium (Region 8)

COLORADO STATE UNIVERSITY

TRAVIS BURGERS earned a master of science in civil engineering from Colorado State University in 2005 and a bachelor of science in engineering from Dordt College in 2003. He is currently pursuing a PhD in biomechanics at the University of Wisconsin-Madison.

Travis held a dual appointment as a graduate teaching assistant and a graduate research assistant in the Department of Civil Engineering at Colorado State University from 2003 to mid-2005. He worked on an innovative repair method for timber bridges adapted from an aerospace industry process termed "Z-spiking," which is used in making laminated composites. His research consisted of applying Z-spikes (fiberglass reinforced polymer [FRP] rods) to damaged stringer members. He conducted extensive laboratory tests of a full-scale chord of an open-deck timber trestle railroad bridge that had been reinforced by Z-spiking. It was highly successful, and his thesis work was included in a five-year accomplishments report submitted to the U.S. Department of Transportation by the Mountain-Plains Consortium. The work was also presented at the 2006 International Association for Bridge and Structural Engineering, held in Budapest, Hungary.

Travis has received numerous recognitions, including a Dordt College Presidential Scholarship, Dordt College Summer Ministries Scholarship, Pella Corporation Engineering Scholarship, Link Manufacturing Ltd. Technical Scholarship, First Premier Bank Scholarship, and Sioux Valley Hospital Scholarship. He worked as a highway surveying assistant with Wilsey & Associates, and he was a test lab assistant for Behr Heat Transfer, where he conducted burst, pressure, and wind tunnel tests on oil coolers and evaluated test outcomes.

Travis's instructors consider him an ideal graduate student, possessing inexhaustible curiosity, high intellect, and an intense work ethic. The Mountain-Plains Consortium is proud to select Travis Burgers as its 2006 Outstanding Student of the Year.

University of California Transportation Center (Region 9)

UNIVERSITY OF CALIFORNIA, BERKELEY

KENNETH KUHN recently received a PhD in civil engineering from the University of California, Berkeley. Kenneth's main area of expertise is infrastructure management; he also has a background in mathematics and operations research. Kenneth has given numerous presentations in these fields and has been published in several peer-review journals. He is currently working as a postdoctoral researcher at the California Center for Innovative Transportation, where he has been part of an ongoing project involving establishing a methodology for evaluating travel time estimates. Originally from the Washington, D.C. area, Kenneth has resided in the Bay Area since 2001.

The University of California Transportation Center is proud to select Kenneth Kuhn as its 2006 Outstanding Student of the Year.

Transportation Northwest (Region 10)

UNIVERSITY OF WASHINGTON W/CONSORTIUM

TONY WOODY began his engineering career at Oregon State University, where he received a bachelor of science in civil engineering in 2000. After graduating, Tony was employed as a senior engineering associate with PTV America, Inc., a transportation software and engineering consulting firm. His primary job functions at PTV America included simulation modeling with VISSIM software, traffic operations analysis, travel demand modeling, and instruction of PTV Vision software training courses. During his time with PTV America, Tony gained valuable experience in traffic engineering, transportation planning, project management, proposal writing, and public speaking. He obtained his professional engineering (PE) license in 2005.

After working in the traffic engineering and transportation planning consulting field for five years, Tony chose to pursue a master of science in transportation engineering at the University of Washington, where he focused his studies on transportation planning, traffic operations, and project management. His final research was on the development of calibration and validation procedures for freeways using the VISSIM software package.

After graduating from the University of Washington in 2006, Tony accepted a position with the consulting engineering firm CH2M HILL. His current job functions include traffic operational analysis, transportation planning, project management, and microscopic traffic simulation consulting. Tony's future goals include expanding his technical abilities, becoming more involved with mentoring junior engineers, and further developing his project management skills.

Transportation Northwest is proud to select Tony Woody as its 2006 Outstanding Student of the Year.

University Transportation Center for Alabama

UNIVERSITY OF ALABAMA AT BIRMINGHAM

JOHNNIE C. WAID is currently a student at the University of Alabama (UAB) at Birmingham, pursuing a PhD in civil engineering. She received a bachelor of science in civil engineering in 2005 and a master of science in civil engineering in 2006, both from UAB. Johnnie also received a certificate in construction management from UAB in 2005. She completed a master's thesis on University Transportation Center for Alabama (UTCA) funded research that focused on alternate highway funding for Alabama highways. Johnnie has a special interest in the areas of transportation, construction, and structural engineering.

Johnnie currently serves as vice president of the UAB Chapter of the Institute of Transportation Engineers (ITE) and is president of the UAB Associated General Contractors of America Chapter. She is also an active member of the American Society of Civil Engineers (ASCE), the Society of Women Engineers (SWE), and the National Society of Black Engineers (NSBE), and is a Graduate Student Association senator.

The University Transportation Center for Alabama is proud to select Johnnie C. Waid as its 2006 Outstanding Student of the Year.

Alaska University Transportation Center

UNIVERSITY OF ALASKA, FAIRBANKS

WILHELM MUENCH is pursuing his master of science in structural engineering at the University of Alaska, Fairbanks (UAF), where he works as a research assistant conducting traction and wear property tests on synthetic materials for the Yukon River Bridge. The traction performance of these materials will be compared with that for wood (the material that has been used for the past 30+ years). His work includes the design and manufacture of a testing apparatus, which involves wiring remote sensing test equipment for monitoring performance in both moderate and cold temperature exposures. Wilhelm's findings will be of great interest to the U.S. Department of Transportation (DOT), which has plans to replace the existing wearing surface with a more economical solution. His research findings will also be incorporated by the Alaska DOT in choosing a replacement for the Yukon River Bridge wearing surface for the next construction contract. Wilhelm's findings will contribute significantly to all state DOTs as well as to regions of Canada. Traction and wear property tests are being conducted on timber, high-density plastics, and fiberglass products.

Besides his research accomplishments, Wilhelm was an undergraduate leader in the annual American Society of Civil Engineers (ASCE) steel bridge competition. He currently mentors undergraduate students and assists with the steel bridge contest. He also works with students on the annual ice arch competition, a UAF Engineering Department tradition.

Wilhelm's outstanding work ethic and energy, combined with a passion for engineering, has contributed to his continued success at UAF. The Alaska University Transportation Center is proud to select Wilhelm Muench as its 2006 Outstanding Student of the Year.

Mack-Blackwell National Rural Transportation Study Center

UNIVERSITY OF ARKANSAS

BRIAN MATTINGLY received a master of science in chemical engineering from the University of Arkansas in 2006 after having worked on two biodiesel projects (MBTC 2052, 2058). Dr. R. E. Babcock, Professor of the Ralph E. Martin Department of Chemical Engineering, has served as Brian's major professor.

Brian contributed heavily to the MBTC project's technical completion reports, made poster presentations at the 2004 and 2005 Mack-Blackwell Transportation Center Annual Projects Review Symposia, and delivered a technical paper at the 2005 International Petroleum Environmental Conference in Houston. He planned and executed the laboratory experiments on the MBTC projects with minimum oversight and supervised personnel on the projects as well.

Brian was accepted as one of nine U.S. graduate students for the Renewable Resources and Clean Technology International Graduate Exchange Program during the spring 2006 semester. During this time, Brian studied under Dr. Roland Verhe, a renowned biofuels professor at the University of Gent in Belgium. Brian also served as an industrial co-op student researcher with the international chemical company DeSmet Ballestra in Brussels. These international appointments are very prestigious and highly acclaimed. Brian is currently serving as assistant plant manager for Earth Biofuels, Inc., at its Durant, Oklahoma, facility.

Brian was instrumental in the successful completion of the biodiesel projects and is very technically competent within his field. The Mack-Blackwell Rural Transportation Center is proud to select Brian Mattingly as its 2006 Outstanding Student of the Year.

University Transportation Center at the Institute of Transportation Studies

UNIVERSITY OF CALIFORNIA, DAVIS

NICHOLAS LUTSEY entered the Transportation Planning Program at the University of California, Davis (UC Davis) after graduating from Cornell University with a bachelor of science in agricultural and biological engineering. Nicholas received a master of science degree from UC Davis in 2003 and expects to complete his PhD in 2007. His work reflects a desire to understand opportunities for improving and commercializing environmentally clean technology. Nicholas's academic program has integrated engineering, economics, and policy.

Nicholas's master's thesis was a quantitative assessment of truck idling behavior and the use of fuel cells as auxiliary power units (APUs) in heavy-duty trucks as a strategy for reducing emissions. His findings contributed to new industry initiatives and helped to shape local and federal policy on diesel trucks. After completing his thesis, he held an internship with the California Air Resources Board and later took on a project to analyze the April 2005 agreement between the Canadian government and automakers to reduce greenhouse gas emissions from all cars sold in the country. For his dissertation, Nicholas is creating an analytical tool for evaluating strategies to reduce vehicle-related greenhouse gas emissions.

Nicholas's remarkable achievements at UC Davis reflect an outstanding intellect, a commitment to thoughtful analysis, an uncanny ability to remain focused, and a passion for reducing greenhouse gas emissions worldwide. The University Transportation Center at the Institute of Transportation Studies at UC Davis is proud to select Nicholas Lutsey as its 2006 Outstanding Student of the Year.

Center for Advanced Transportation Systems Simulation

UNIVERSITY OF CENTRAL FLORIDA

RYAN J. CUNNINGHAM is currently pursuing a master of science in transportation systems from the Department of Civil and Environmental Engineering at the University of Central Florida (UCF), where he is a research assistant with the Center for Advanced Transportation Systems Simulation. He received the University Provost's Graduate Fellowship Award upon entering UCF. His graduate thesis is sponsored by the Florida Department of Transportation and will focus on developing intelligent variable speed limit strategies through the use of microsimulation for the Interstate 4 corridor in Orlando. In 2006, Ryan received a bachelor of science in civil engineering with honors from UCF.

Prior to entering graduate school, Ryan worked as an engineering intern at Boyle Engineering Corporation, a prominent civil and environmental engineering firm in Orlando. In addition to conducting research, Ryan is employed as a teaching assistant for an undergraduate course, "Introduction to Transportation Engineering."

Ryan has excelled in his coursework at both the undergraduate and graduate levels at UCF. His research on the utilization of microsimulation to analyze demand management strategies for Interstate 4 has been well received. The Center for Advanced Transportation Systems Simulation is proud to select Ryan J. Cunningham as its 2006 Outstanding Student of the Year.

University Transportation Center for Work Zone Safety and Efficiency

CLEVELAND STATE UNIVERSITY

JOHN CLEARY is a graduate student in the Department of Civil and Environmental Engineering at Cleveland State University. He graduated summa cum laude with a bachelor of science and was given the Engineering Student Enrichment Program Outstanding Senior award.

As an undergraduate and graduate student, John worked in the Concrete Laboratory in the areas of pervious pavement, high-performance concrete, roller-compacted concrete, and nondestructive evaluation. His work has been published on numerous occasions. He was coauthor of a paper "Developing a Structural Design Method for Pervious Concrete Pavement," which was presented at the 14th Annual International Center for Aggregates Research (ICAR) Symposium in Austin, Texas, in April 2006. He has also written some important chapters for the draft final report on the Ohio Department of Transportation (ODOT) project "Evaluation of High Absorptive Materials to Improve Internal Curing of Low Permeability Concrete." John provided important input for a Transportation Research Board (TRB) paper on this ODOT project, which will be presented in January 2007. John is an active student member of the American Society of Civil Engineers (ASCE), the American Concrete Institute (ACI), and the Association for Bridge Construction and Design (ABCD).

The University Transportation Center for Work Zone Safety and Efficiency is proud to select John Cleary as its 2006 Outstanding Student of the Year.

The National Center for ITS Implementation Research

GEORGE MASON UNIVERSITY W/CONSORTIUM

ANGELA H. STUBBLEFIELD is currently enrolled in the Transportation Policy, Operations, and Logistics Masters Program at George Mason University. Angela is a member of Phi Beta Kappa and graduated with a bachelor of arts in government and philosophy with high distinction from the University of Virginia.

Angela is the senior counterterrorism analyst in the United States Department of Transportation's (DOT) Office of Intelligence, Security, and Emergency Response. Her primary area of expertise is transnational terrorist threats to transportation. Angela routinely briefs DOT leadership and provides analytical support to agencies within the intelligence community. Prior to joining DOT in 2004, Angela was a senior intelligence analyst for the Transportation Security Administration (TSA). Previous to that, Angela worked in the Federal Aviation Administration's (FAA) Office of Civil Aviation Security Intelligence and has been with the Department since mid-2001. Angela has received multiple awards from the FAA, DOT, and the Department of Homeland Security (DHS) for her contributions to transportation security and intelligence.

Prior to moving into the area of transportation security intelligence, Angela was chief of the Middle East geopolitical and military threat analysis team at the Marine Corps Intelligence Activity. The Marine Corps is also where Angela received her initial intelligence training, and she has served at several headquarters commands in the United States and overseas.

The National Center for ITS Implementation Research is proud to select Angela H. Stubblefield as its 2006 Outstanding Student of the Year.

National Institute for Advanced Transportation Technology

UNIVERSITY OF IDAHO

MATTHEW BENKE received a master of science in computer science from the University of Idaho. While pursuing his degree, Matthew worked with graduate and undergraduate students in computer science and electrical, civil, and computer engineering to conduct a survivability assessment for the Moscow, Idaho, Intelligent Transportation System (ITS).

Matthew worked with other researchers at the National Institute for Advanced Transportation Technology (NIATT) to conduct interviews with stakeholders responsible for the various power, communications, and control devices incorporated into the Moscow ITS. He gathered information describing the layouts of these interconnected networks and performed qualitative and quantitative analyses. This research helped to identify the components that are critical to the successful performance of the Moscow ITS. Matthew's master's thesis describes how similar analyses can be performed for other transportation systems.

While at NIATT, Matthew coauthored six refereed publications, including a paper "Case Study of a Survivability Analysis of a Small Intelligent Transportation System," which was written with Drs. Ahmed Abdel-Rahim, Paul Oman, and Brian Johnson (Transportation Research Record #1944). Matthew also helped to develop an onboard graphical telemetry interface for NIATT's Future Truck competition.

At the University of Idaho's Center for Secure and Dependable Systems, Matthew worked on the formal modeling of secure communications networks based on the Multiple Independent Levels of Security architecture, a layered approach to trusted software design. Matthew received the University of Idaho Alumni Award for Excellence in 2003 and was named one of two outstanding seniors in mathematics.

The National Institute for Advanced Transportation Technology is proud to select Matthew Benke as its 2006 Outstanding Student of the Year.

Nick J. Rahall II Appalachian Transportation Institute

MARSHALL UNIVERSITY

DAVID LAWSON graduated from Marshall University in 1989 with a bachelor of science in computer science. In 2003, he returned to Marshall University, where he began working on his master of science degree in information systems at the Nick J. Rahall II Appalachian Transportation Institute (RTI). He graduated in 2006 with distinction and is now working on a PhD in education, also at Marshall University.

David has spent the last 14 years in the software industry as an engineer, architect, and vice president of a software firm in northern Virginia. Recently, he was employed as the information technology coordinator at RTI, and he has designed and implemented the data warehouse and core system components of the Transportation and Economic Development Information System (TEDIS). TEDIS brings improved data sharing and technology transfer tools to researchers, transportation professionals, and government agencies. It functions as a system for reporting transportation and economic data and as a platform for building and hosting related future applications.

Since 2003, David has applied his skills in requirements gathering, system analysis, and system design to several RTI projects, but his primary focus has been TEDIS. As a result, TEDIS uses state-of-the-art hardware and software technology to host most RTI research and production projects and data sets, including those for the Appalachian Regional Commission, the West Virginia Department of Transportation, the West Virginia Department of Environmental Protection, Operation Respond, and the West Virginia Statewide Addressing and Mapping Board.

David was nominated for this award because of his work as the Information Technology Coordinator at RTI, and specifically, for his efforts designing and implementing the data warehouse and core system components of TEDIS. The Nick J. Rahall II Appalachian Institute is proud to select David Lawson as its 2006 Outstanding Student of the Year.

Intelligent Transportation Systems Institute

UNIVERSITY OF MINNESOTA

ADAM KOKOTOVICH is currently a student at the University of Minnesota, where he is pursuing a master of science degree in science, technology, and environmental policy. He received a bachelor of science degree in mechanical engineering from the University of Minnesota in 2005.

Adam's current research focuses on emerging technologies and their social and ethical implications, biotechnology and nanotechnology governance, and privacy concerning Intelligent Transportation System (ITS) technologies. Specifically, he has studied how major current and future ITS technologies may affect privacy, recommended a framework to address privacy issues when working with ITS, and looked at a teen-driving fatality-reduction project to examine the ways that privacy concerns are addressed.

Adam has won several awards throughout his undergraduate and graduate career. He was president of the 2004-2005 Institute of Technology Student Board. He also has various publications to his credit. Adam's advisor notes that he is "an outstanding researcher and thinker engaged in important policy issues at the intersection of science, technology, and societal concerns."

The Intelligent Transportation Systems Institute is proud to select Adam Kokotovich as its 2006 Outstanding Student of the Year.

University Transportation Center

UNIVERSITY OF MISSOURI-ROLLA

JARED E. BREWE received a bachelor of science in civil engineering with magna cum laude honors from the University of Missouri-Rolla (UMR) in 2004 and a master of science in civil engineering from UMR in 2006. He expects to graduate from UMR with a PhD in civil engineering in 2008.

During his undergraduate studies, Jared was a member of the UMR chapters of the American Concrete Institute (ACI) and the American Society of Civil Engineers (ASCE). He served as treasurer of Chi Epsilon National Civil Engineering Honor Society, and he was involved in the UMR Steel Bridge Team. Jared also received an Outstanding Senior Award from the Civil, Architectural, and Environmental Engineering Department in 2003.

As a graduate student, Jared remained involved with the Steel Bridge Team and Chi Epsilon, became a national member of ACI, joined Tau Beta Pi National Engineering Honor Society, and helped to establish the UMR PCI Big Beam Competition Team. Jared also served as the committee chairman for the 2006 National Conclave of Chi Epsilon, held at UMR in March of 2006, which hosted over 230 students and faculty from across the nation. For the past three summers, Jared has served as a program leader for the Introduction to Engineering Program at UMR for high-school seniors.

As a graduate student and PhD candidate, Jared has studied and made technical contributions to several aspects of High-Strength/High-Performance Concrete (HS/HPC), including concrete mix design optimization using particle packing theories applied in ceramic manufacturing, behavioral effects of early-age stress-strain properties of concrete under varied curing conditions, and characterization of High-Strength/High-Performance Lightweight Concrete applied to precast concrete girders and deck panels.

Jared was nominated for this award because of his outstanding academic performance, the technical merit of his research topic, and his service to UMR and the surrounding community. The University Transportation Center at the University of Missouri-Rolla is proud to select Jared E. Brewe as its 2006 Outstanding Student of the Year.

Western Transportation Institute

MONTANA STATE UNIVERSITY, BOZEMAN

KATHRYN O'KEEFE is a graduate student at Montana State University, where she is pursuing a master of science in biomechanics. Kathryn earned a bachelor of science in mechanical engineering from Montana State University, graduating with honors in 2004.

After obtaining her undergraduate degree, Kathryn began working as a research assistant at the Western Transportation Institute (WTI), where she has been involved in a number of projects pertaining to Highway Winter Maintenance, including a report and brochure for the Pacific Northwest Snowfighters Association, "Synthesis of Information on Anti-icing and Pre-wetting for Winter Highway Maintenance Practices in North America." She also contributed to a National Cooperative Highway Research Program (NCHRP) study (20-07 Task 200-Synthesis of Vehicle Based Winter Maintenance Technologies). Recently, Kathryn has been involved in a research project evaluating the Utah Department of Transportation (UDOT) Weather Operations Program. Her presentations have included "Evaluation of UDOT's Weather Operations/RWIS Program," at the 2006 National Rural ITS Conference, and "Anti-icing and Pre-wetting: Improved Methods for Winter Highway Maintenance in North America," at the 85th annual meeting of the Transportation Research Board.

The Western Transportation Institute is proud to select Kathryn O'Keefe as its 2006 Outstanding Student of the Year.

Infrastructure Technology Institute

NORTHWESTERN UNIVERSITY

LAURA E. SULLIVAN-GREEN received a bachelor of science in civil engineering from the University of Dayton and a master of science degree from Northwestern University, and she is currently completing her PhD work at Northwestern University. Originally from the Cleveland, Ohio, area, Laura is the first person in her family to attend college, and she is interested in pursuing teaching or consulting.

Laura has worked for MWH on five projects and has several published reports to her credit. In 2006, she coauthored a paper "Accelerated Measurement of the Effect of Crack Growth Width on Carbonation of Mortar," which was submitted for publication in the journal *Cement and Concrete Research*. Laura's work has focused on methods for determining crack age, which is an important forensic issue in construction. Each year, millions of dollars are spent on arbitration and litigation arising from crack damage claimed to have been produced by adjacent activity such as heavy traffic, construction, blasting, and pile driving. Laura's work has focused on chemical (carbonation of cementitious materials) and biological (accumulated biomass) measurements to quantify crack age. If crack age can be quantified, then the time of the appearance of the crack can be correlated with the time of construction activity, which should reduce the need for litigation.

Laura was nominated for this award because of her hard work and dedication to her studies. The Infrastructure Technology Institute at Northwestern University is proud to select Laura E. Sullivan-Green as its 2006 Outstanding Student of the Year.

Oregon Transportation Research and Education Consortium

PORTLAND STATE UNIVERSITY

MAX COFFMAN is currently pursuing a master's degree in urban and regional planning at Portland State University. As an undergraduate student, Max majored in science, technology, and international affairs with an environmental focus, and his research topics showed a strong trend toward sustainable transportation issues. He studied transport planning at the University of Melbourne in Australia for a semester in 2004.

Max has interned as a policy analyst at the Portland Office of Transportation and currently works for Portland City Commissioner, Sam Adams as a transportation staff associate. He is also an active member of the Intelligent Transportation Systems (ITS) lab, organizing events and mentoring other students. Max gave a presentation entitled "Enhancing Targeted Traffic Enforcement Efforts in Portland, Oregon" at the Institute of Transportation Engineers (ITE) District 6 annual meeting in June 2006. He also attended a Rail-Volution conference in Chicago in November, developed a paper for the ITS World Congress, and will present a paper at the Transportation Research Board's 86th Annual Meeting (Session 384). In the future, Max hopes to contribute to improving transportation services for Portland-area residents.

Max was highly recommended for this award by faculty in two departments at Portland State University. The Oregon Transportation Research and Education Consortium is proud to select Max Coffman as its 2006 Outstanding Student of the Year.

University of Rhode Island Transportation Center

UNIVERSITY OF RHODE ISLAND

AARON CLARK is a student in the manufacturing engineering master's program at the University of Rhode Island (URI), where he received a bachelor of science in industrial engineering in 2002.

Aaron has been employed as an industrial engineer for United Parcel Service (UPS) and FedEx Ground. At FedEx Ground, Aaron was the hub industrial engineer for the Hartford hub, a 24-hour facility that sorts an average of 250,000 packages daily, making it the sixth largest hub of 26 in the country. In January 2006, Aaron was funded on a research grant involving Rhode Island's emergency response preparation. He analyzed three specific disaster scenarios relating to the state's transportation system. He was the primary author on a paper entitled "Assessing the Preparedness of Rhode Island's Transportation System in Natural or Human Caused Disasters." The paper was presented at the GU8 International Conference on Transportation and Logistics, held in October 2006 at URI.

Aaron is currently focusing his research on elder driver response to dynamic message signs (DMS) and using graphics to improve the message comprehension rate of elder drivers. He is currently developing a survey to measure drivers' preferences on DMS graphics and message wording, and he will conduct a driving simulation at the Warwick Mall in March 2007 to further investigate this subject.

Aaron is a hard-working, goal-oriented individual whose research and industry experience make him an ideal candidate for this award. The University of Rhode Island Transportation Center is proud to select Aaron Clark as its 2006 Outstanding Student of the year.

Center for Advanced Infrastructure & Transportation

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

RAMBOD HADIDI is a PhD candidate at the School of Engineering at Rutgers University. He received a bachelor's degree from Sharif University in Tehran, Iran, in 1999, and a master's degree from Rutgers University in 2003. Rambod has been an instructor and a graduate research assistant at Rutgers University from 2000 to 2006 and at the New Jersey Institute of Technology from 1999 to 2000. He also served as a lecturer at the University of Texas at El Paso in 2006. Rambod is currently a research engineer at the Center for Advanced Infrastructure and Transportation at Rutgers University.

Rambod's research focuses on nondestructive testing, evaluation, and health monitoring of transportation infrastructure using various techniques, such as seismic methods and Ground Penetrating Radar (GPR). He has also been working on development of reliability-based techniques in transportation engineering for various applications, such as backcalculation for falling weight deflectometer (FWD) and seismic pavement analyzer (SPA) data. He is also interested in in situ and laboratory characterization of infrastructure material properties, such as early-age concrete bridge deck response and seasonal variation of pavement layer material properties. During his graduate studies, Rambod authored and coauthored more than 15 publications and technical reports and presented at several conferences and professional meetings.

Rambod is a member of the American Society of Civil Engineers (ASCE) and is a registered professional engineer, with several years of experience on various transportation and geotechnical engineering projects. He is the recipient of several awards, including the New Jersey Department of Transportation Student of the Year Award (2003) and the Tavakoli Academic Achievement Award of Sharif University (1999).

The Center for Advanced Infrastructure and Transportation at Rutgers University is proud to select Rambod Hadidi as its 2006 Outstanding Student of the Year.

Mineta Transportation Institute

SAN JOSE STATE UNIVERSITY

CHRISTINA WATSON earned an undergraduate degree in German studies at Wesleyan University and has spent time studying, living, and traveling in Germany and Russia. Christina has a master of arts degree in international environmental policy from the Monterey Institute of International Studies. After graduating, she was awarded a Robert Bosch Foundation Fellowship, which allowed her to work on global climate change policy issues with the German Federal Environmental Agency and the nonprofit German Ring for Nature Protection. She is currently pursuing a master of science in transportation management at the Mineta Transportation Institute to further develop her understanding of transportation planning principles and methods.

Christina works as a senior transportation planner at the Transportation Agency for Monterey County. Her responsibilities include managing the Caltrain Extension to Monterey County project, administering the Transportation for Livable Communities Transit-Oriented Development incentive grant program, and acting as the staff legislative liaison for the agency's state and federal legislative advisors.

In the past, Christina directed the agency's Bicycle and Pedestrian Facilities program, including facilitating monthly community advisory committee meetings and implementing the 2002 and 2003 Bike Week events. In 2004, Christina supervised the environmental review of the proposed 14-year expenditure plan for a half-cent local transportation sales tax and regional development impact fee.

In her free time, Christina is a volunteer guide at the Monterey Bay Aquarium. She is also president of the Monterey Bay Area Chapter of the Association of Environmental Professionals. Christina resides in Monterey County with her husband, where they enjoy traveling, kayaking in the bay, photographing around Big Sur, and sharing the beauty of the area with friends.

The Mineta Transportation Institute is proud to select Christina Watson as its 2006 Outstanding Student of the Year.

University Transportation Center

SOUTH CAROLINA STATE UNIVERSITY

PAUL M. HUGGINS is a native of Orangeburg, South Carolina, and a graduate candidate in the Master of Science in Transportation program, College of Science, Mathematics, and Engineering Technology, at South Carolina State University. He received a bachelor of science degree in physics at Benedict College in Columbia, South Carolina, in 1994. Paul is conducting research in the area of transportation of hazardous materials with emphasis on the safe transport of spent nuclear fuel and high-level waste. He is also a full-time staff member at the South Carolina Department of Health and Environmental Control (SCDHEC), where he provides transportation emergency radiological response and preparedness training to first responders and assists with nuclear emergency planning for fixed nuclear facilities and local governments in the state.

Paul is the recipient of a number of awards and honors, including the James E. Clyburn University Transportation Center Award, the Institute for Nuclear Power Operations (INPO) Fellowship, and the Benedict College Trustee Scholarship. He maintains professional affiliations with several societies, including the Institute of Transportation Engineers (ITE), the American Society of Civil Engineers (ASCE), the American Nuclear Society, and the Sigma Pi Sigma National Physics Honor Society. In his spare time, Paul enjoys being with his daughter and participating in community outreach and awareness activities.

The University Transportation Center at South Carolina State University is proud to select Paul M. Huggins as its 2006 Outstanding Student of the Year.

National Center for Metropolitan Transportation Research (METRANS)

UNIVERSITY OF SOUTHERN CALIFORNIA

JIYOUNG PARK is a PhD candidate in urban planning in the School of Policy, Planning, and Development at the University of Southern California (USC). He obtained both his bachelor of arts and master of arts degrees in economics from Seoul National University in Korea, graduating summa cum laude.

As a masters and PhD student over the last five years, JiYoung has been involved in more than 10 research projects and has published five peer-reviewed papers and two econometrics textbooks. (Three book chapters are forthcoming.) JiYoung has presented his research at more than 10 national conferences. As a research assistant at USC, he began his first year with the National Center for Metropolitan Transportation Research (METRANS)-funded projects, establishing an approach to estimating trade flows by commodity among states based on commodity flow survey (CFS) data from the Bureau of Transportation Statistics (BTS). This project was successfully concluded, resulting in the report "Measuring California's Role in Supporting Interstate Goods Movement: Comprehensive Assessment of Interstate Freight Flows." Based on these trade-flow estimates, JiYoung constructed the National Interstate Economic Model (NIEMO), a spatially disaggregated operational Multiregional Input-Output (MRIO) model of the 50 states and the District of Columbia.

Currently, JiYoung is working on another METRANS-funded project developing a methodology to combine NIEMO with modal systems. His current research interests are urban economics and transportation modeling as applied to natural and manmade environmental and security problems. In 2006, JiYoung received a School of Policy, Planning, and Development departmental dissertation fellowship.

The National Center for Metropolitan Transportation Research is proud to select JiYoung Park as its 2006 Outstanding Student of the Year.

National Center for Transit Research

UNIVERSITY OF SOUTH FLORIDA

OLIVER PAGE entered the University of South Florida (USF) civil engineering PhD program after earning his master of science degree in transportation planning and engineering from the University of Southampton in the United Kingdom.

Oliver was a teaching assistant for a course entitled "Transportation and Society" and served as president of the USF student chapter of the Institute of Transportation Engineers (ITE). He has made substantial contributions to a number of projects funded through the National Center for Transit Research, including "Developing Bus Transfer Centers for Maximum Transit Agency and Community Benefit" and "Transit Use Viability Among Older Drivers Losing Driving Privileges," with the latter being the subject of his doctoral dissertation. He also provided substantive assistance in a recently completed Transit Cooperative Research Program (TCRP) report, "Guidebook for Evaluating, Selecting, and Implementing Suburban Transit Services." In addition, Oliver coauthored a white paper, "Rapid Transit Options for Miami Beach," and critically analyzed ridership trends of New Start rail projects for the U.S. DOT.

One of Oliver's papers, "Equity Impacts and Challenges of Highway Access Management in an Emerging Economy-South Africa at the Crossroads," was published in Transportation Research Record #1939 of the National Research Council. He has presented his research findings to state and national professional transportation conferences. After graduating in 2006, Oliver plans to continue to conduct research and to teach in the field of transportation.

The National Center for Transit Research at the University of South Florida is proud to select Oliver Page as its 2006 Outstanding Student of the Year.

University Transportation Center at the University of Toledo

UNIVERSITY OF TOLEDO

GUY SCHAFER is originally from Toledo, Ohio, and he remained in the area after graduating from a suburban high school. He received a bachelor of arts in visual communications from the University of Toledo in 1999. From 1998 to 2005, he worked in the transportation and logistics industry and was employed at National Logistics Management, where his duties included coordinating shipments and routing for Ford, General Motors, and Daimler-Chrysler.

In 2005, Guy returned to the University of Toledo as a graduate assistant, working toward a master's degree in transportation planning/Geographic Information Systems (GIS) in the Department of Geography and Planning. His research has included work on the Upper Midwest Freight Corridor Study and with the Great Lakes Maritime Research Institute, and a study commissioned by a local port authority of air freight in the Midwest, including imports and exports from Europe, Asia, and South America.

Guy was nominated for this award because of the integral role he played in the successful completion of the Upper Midwest Freight Corridor Study and the combination of industry perspective and academic rigor that he brings to his research. The University Transportation Center at the University of Toledo is proud to select Guy Schafer as its 2006 Outstanding Student of the Year.

Utah Transportation Center

UTAH STATE UNIVERSITY

BRIAN KUKAY is currently pursuing a doctorate of philosophy in civil engineering at Utah State University. Under the direction of Drs. Paul Barr, Kevin Womack, and Marv Halling, his research efforts have focused on the development and testing of a nondestructive method to determine residual tendon stress in prestressed girders.

The ability to determine the remaining force in the tendons of in-service prestressed girders is important in both bridge load ratings and the repair of damaged prestressed members. If this method proves to be accurate and achievable in the field, it will be a significant advance in the area of bridge inspection, rating, and repair. It could ultimately result in a significant cost-savings due to the fact that actual bridge capacities may be determined instead of conservatively estimated.

Brian's goal for the future is to obtain an academic appointment at a school of higher education, where he could fulfill his passion for teaching and conducting research related to reinforced concrete.

The Utah Transportation Center at Utah State University is proud to select Brian Kukay as its 2006 Outstanding Student of the Year.

University of Vermont National University Transportation Center

UNIVERSITY OF VERMONT

EMILY J. STEBBINS is pursuing a master's degree in the Department of Community Development and Applied Economics at the University of Vermont. Her interests center on key policy issues facing Vermont that are related to land use, transportation, agriculture, energy, and how communities and citizens engage to negotiate change and conflict. She holds a bachelor of arts cum laude in English and American literature and language from Harvard University.

Emily worked as a communications consultant prior to beginning her graduate studies. She conducted public relations work for the Regional Public Transportation Initiative, a task force seeking to change the way that public transportation in Vermont is funded and governed. She pursued her interests in transportation through an internship with the Snelling Center for Government, where she conducted research on community visioning and best practices scenarios that support integrated long-range transportation and land-use planning. This work informed the Chittenden County Metropolitan Planning Organization's Futures Initiative, a forum to discuss emerging regional issues that may affect transportation planning in northwest Vermont.

As a native Vermonter from a multigenerational family dairy farm, Emily is excited to be working with the Vermont Sustainable Jobs Fund and the Vermont Biofuels Association to conduct market and economic analyses of small-scale, on-farm biodiesel production. Emily currently serves on the City of Burlington Planning Commission.

The University of Vermont National University Transportation Center is proud to select Emily J. Stebbins as its 2006 Outstanding Student of the Year.

FAA Air Transportation Center of Excellence for Airliner Cabin Environmental Research

BOISE STATE UNIVERSITY

ARLEN PLANTING is a graduate student in the Hartman Systems Integration Laboratory, Department of Electrical and Computer Engineering, at Boise State University (BSU). During his nearly two decades in government and corporate environments, Arlen held positions at the Oregon Department of Higher Education, Blue Cross of Idaho, and Hewlett Packard. He has been involved in IBM mainframe system administration and software engineering. His interest in the interfacing of software and hardware devices, coupled with a passion for solving problems, learning, and sharing knowledge, led him to return to academia to pursue an advanced degree in engineering.

Arlen has made significant contributions to the development of a wireless platform serving multiple sensors, which will be used to advance the understanding of the physical environment of airplane cabins. This first wireless prototype will provide FAA researchers and industry partners with the ability to remotely sense many environmental parameters along with potential biochemical agents (as sensors are developed) and to process and communicate information in real time.

The integration of sensor hardware with sophisticated software is leading to new approaches in data gathering. Scientists at the FAA Air Transportation Center of Excellence for Airliner Cabin Environmental Research envision detectors distributed within the aircraft cabin, which will provide a more detailed understanding of contaminant distribution, airflow, noise, and many other parameters. These researchers will be working to gather physiological measurements on flight crew and passengers, using the same basic platform developed by Arlen and the BSU team. Eventually, low-cost versions of these wireless systems will become routine devices deployed on every aircraft to improve comfort and safety for traveling passengers and the crews that serve them.

The FAA Air Transportation Center of Excellence for Airliner Cabin Environmental Research is proud to select Arlen Planting as its 2006 Outstanding Student of the Year.

Congratulations to each of the
2006 Outstanding Student of the Year recipients!