New Corporate Sponsorship Opportunity

The Transportation Founder’s Fund (TFF) is now accepting corporate sponsorships for our organization. If you would like to become a sponsor, please see the details below.

Your corporate sponsorship includes the following:

* Your company/organization will receive one (1) free employee membership for TFF (this name is to be noted on the registration form below).
* Any additional employees will receive a 10% reduction on their individual TFF membership from $100 down to $90.
* Sponsors will be acknowledged at our annual event in April 2013.

Company Name: __________________________
Address: ________________________________
City, State, Zip: ___________________________
Corporate Member Name: __________________
Contact Email: ___________________________
Phone: _________________________________

Corporate Membership Cost: $500.00

PAYMENT OPTIONS

Make checks payable to:
NC State Engineering Foundation, Inc.
(please note TFF on your check)

Mail to: NC State Engineering Foundation, Inc.
        Box 7901, NCSU, Raleigh, NC 27695-7901

Credit Cards: call (919) 515-7458

PLEASE RSVP
cdvann@ncsu.edu

☐ I will attend the reception and speaker event
☐ I am bringing a guest (one guest per member)
☐ I cannot attend this year

Panel Participants

David A. Connell is currently Regional VP Operations-North for the Union Pacific Railroad, the nation’s largest railway. David has worked for the Union Pacific and predecessor companies for 30 years having held a variety of field and staff positions including Vice President of Engineering. As Vice President of Engineering, David directed the design, construction and maintenance of all track, signal and bridge infrastructure. David holds a BS degree in civil engineering from NC State University and attended the Harvard Business School. He currently chairs the American Association of Railroads' Heavy Axle Load Committee, is a Governor of the American Railway Engineering and Maintenance-of-Way Association, and is a member of the Railway Technology Working Committee at the Transportation Technology Center, Inc.

Dr. Bruce J. Holmes, is the CEO of NextGen AeroSciences in Williamsburg, VA, which specializes in NextGen-inspired advancements in aircraft, airspace, and airports. He is also the principal in Holmes Consulting, serving on boards of directors in industry and academia, as well as advisory councils in government. In his prior career with NASA, Dr. Holmes led the creation and operation of large public-private technology development aviation partnerships that advanced the state-of-the-art in aviation. Holmes served in the White House OSTP, and was a principal in founding the U.S. Joint Planning and Development Office for NextGen. He has authored several patents and more than 80 technical papers and his roles in innovation were chronical in two books. He is a Fellow of the American Institute of Aeronautics and Astronautics, and recipient of numerous national awards.

Michael L. Pack is the Director of the Center for Advanced Transportation Technology Laboratory (CATT) at the University of Maryland. He has previously worked for the University of Virginia’s Smart Travel Laboratory and the Oak Ridge National Laboratory Center for Transportation Analysis. He and his work have been featured on the History Channel’s Modern Marvels, CNN, National Public Radio, the Washingtonian, and other national and international media. He holds degrees in Systems Engineering, Computer Science, and Instrumentation and Measurement. His CATT Laboratory is an applied research and development lab supporting national, state, and local efforts to solve important transportation, safety, and security problems.

2013 TFF SPEAKER SERIES

Transportation Technologies for the 21st Century: A Peek at the Highway, Rail and Aviation Modes

Thursday, April 18, 2013
Reception: 5:15 p.m., Room 246
Speaker Series: 6:00 - 7:30 p.m., Room 136
Monteith Research Center (MRC)
NC State University Centennial Campus
Raleigh, NC 27606

Panel Discussion:

Dr. George F. List, NCSU CCEE Department, Moderator

David A. Connell, Regional VP Operations-North, Union Pacific Railroad

Dr. Bruce J. Holmes, CEO, NextGen AeroSciences

Michael L. Pack, Director, Center for Advanced Transportation Technology Laboratory, University of Maryland
Welcome and Introductions
Jim Westmoreland, Deputy City Manager, City of Greensboro and ITRE Advisory Council Chair

Welcome from NC State University
John Gilligan, Senior Advisor to the Dean of Engineering

Featured Panel Discussion:
Transportation Technologies for the 21st Century: A Peek at the Highway, Rail and Aviation Modes
George F. List, PhD, NCSU CCEE Department, Moderator

Technology is pervading every aspect of our daily lives. Transportation is no exception. From phone apps designed to get you from here to there safely and efficiently, to connected vehicles that talk and warn each other of accidents or bottlenecks, to flying unmanned aerial vehicles to track traffic or assist in emergency evacuation, the list goes on and on. At NC State University we face the challenge of keeping our students current with the latest advances in transportation technologies, and how they will affect the way we carry out our professional duties.

We are fortunate to have been able to assemble a multimodal panel of eminent experts who will give us their take on the latest and greatest in their field. Michael Pack from the University for Maryland will focus on the highway mode and how to use real time data to drive decisions. David Connell from Union Pacific will discuss technological advances in the nation’s largest railway. Bruce Holmes will guide us into the dynamic future of the Next Generation aviation technologies, including unmanned air vehicles and autonomy in air traffic management. There also will be the opportunities for a lively Q&A following the presentations.

About the 2013 Annual Speakers Series:

This year’s event on Thursday, April 18, 2013, will mark the eleventh consecutive year the Transportation Founder’s Fund (TFF) has offered the Speaker Series for our members and students. Again this year we have invited an impressive array of experts across several transportation modes. The panelists’ knowledge and insights into the latest innovations and future promises for transportation technologies should be of interest to a wide range of professionals and students.

Registration for the event also coincides with our annual membership renewal, which reminds us of the very positive impact TFF has made to the caliber of our transportation program here at NC State. TFF is the only transportation-dedicated student scholarship program at NC State. The scholarship is named in memory of C.E. “Ed” Vick Jr., an original member of TFF, one of the first members of the TFF Executive Committee and a long-time supporter of NC State and its transportation programs.

You will find (on right) a detachable membership form with convenient payment options, including a new corporate membership.

We ask you to please RSVP to cdvann@ncsu.edu at your earliest convenience so we can better plan for the event. We are still providing a reduced membership fee for recent graduates. Contributions in addition to your dues are much appreciated. Your contributions are tax deductible.

The TFF Executive Committee encourages you to renew or join, reconnect with NCSU, and play a meaningful role in building the future of our profession through your participation and support. We look forward to seeing you on Thursday, April 18.

Dr. Nagui M. Rouphail, Director
Institute for Transportation Research and Education (ITRE) and Professor of Civil Engineering at NC State University

Directions to the Monteith Research Center are online: http://www.itre.ncsu.edu/ITRE/about/TFF/DirectionsMRC.pdf

Sponsored in part by the NC State Engineering Foundation

SINGLE MEMBERSHIP & CONTRIBUTION FORM

Please remember to RSVP

Name: ____________________________
Address: ____________________________
City, State, Zip: ____________________________
Email: ______________________________
Phone: ______________________________

DUES/CONTRIBUTION

☐ Single Membership ................................................. $100.00
☐ Recent Grad (2008-present) ......................... $50.00
☐ Additional Contribution..................................... $______

TOTAL: $_______

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☐ I cannot attend this year

Please mail completed form by April 5, 2013 to:
NC State Engineering Foundation, Inc.
Campus Box 7901, NCSU, Raleigh, NC 27695-7901

For questions or more information, contact Christie Vann,
ITRE, 919-515-8896 or email cdvann@ncsu.edu.