CUTR Connections [December 2017]

CUTR

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Message from the CUTR Executive Director

Welcome to the Center for Urban Transportation Research at the University of South Florida! Having moved to Tampa and joined USF about 15 months ago, I have been overwhelmed with the hospitality and warmth of the transportation community here in Tampa and all across Florida. Special thanks to WTS and COMTO for hosting a wonderful welcome reception that made me feel so welcome and connected.... [Continue Reading]

The Center for Urban Transportation Research (CUTR) at the University of South Florida (USF) is excited to participate in the Transportation Research Board (TRB) 2018 Annual Meeting.

It is our pleasure to cosponsor our second TRB Reception and Alumni Reunion with the University of Texas Arlington CTEDD Center. Please join us on Sunday, January 7, 2018, from 6:30 pm - 8:00 pm at the Walter E. Washington Convention Center, Washington, DC at East Overlook. We look forward to your stopping by and connecting with us.

[Click for more information.]
TRB RECEPTION & ALUMNI REUNION
WALTER E. WASHINGTON CONVENTION CENTER • WASHINGTON, D.C.
6:30-8:00PM | SUNDAY, JANUARY 7
EAST OVERLOOK ROOM

WWW.CUTR.USFEDU/ABOUT-US/TRB2018MEETING
HTTPS://CTEDD.UTA.EDU
After 24 years of service, Joel Volinski stepped down as NCTR Director at CUTR with a Valedictory Lecture on the “Future of Public Transportation” and to launch a Special Issue of the Journal of Public Transportation on Thursday, November 9, 2017. Dr. Robert Bertini, CUTR Director spoke about how valedictory lectures originated. An introduction was made by Dr. Jose Zayas-Castro, College of Engineering, Professor and Executive Associate Dean. Special guest speakers, Lisa Bacot, Florida Public Transportation Association (FPTA), Katharine Eagan, Hillsborough Area Regional Transit (HART) and Ed Coven, Florida Department of Transportation (FDOT) gave their vision for the future of public transportation. They all participated in a panel discussion. Afterwards there was a reception to wish the best to Joel as he starts a new chapter in his life.
Dynamic clustering, congestion propagation and perimeter control in large-scale urban networks

Bio: Prof. Nikolas Geroliminis is an Associate Professor at EPFL and the head of the Urban Transport Systems Laboratory (LUTS). Before joining EPFL, he was an Assistant Professor on the faculty of the Department of Civil Engineering at the University of Minnesota. He has a diploma in Civil Engineering from the National Technical University of Athens (NTUA) and an MSC and Ph.D. in civil engineering from University of California, Berkeley. He also serves as an Associate Editor in Transportation Research part C, Transportation Science and IEEE Transactions on ITS and in the editorial board of Transportation Research, part B, and of many international conferences. His research interests focus primarily on urban transportation systems, traffic flow theory and control, on-demand transport and shared mobility, Optimization and Large Scale Networks. He is a recipient of the ERC Starting Grant “METAERVER: Modeling and controlling traffic congestion and propagation in large-scale urban multimodal networks”.

Abstract: Traffic is a strongly time-variant process and it needs to be studied in the spatiotemporal dimension. Investigating the clustering problem over time help us reveal the hidden information during the process of congestion formation and dissolution. The primary motivation of this seminar is to study the spatiotemporal relation of congested links in large networks, observing congestion propagation from a macroscopic perspective, and finally identifying critical congestion regimes to aid the design of peripheral control strategies and improve mobility.

Thanks to:
USF/CUTR faculty and students were active participants in the 5th Annual UTC Conference for the Southeastern Region, held at the University of Florida on November 16-17, 2017.

USF/CUTR had a total of 14 presentations and 5 posters. Faculty presenting/moderating included: Sara Hendricks, Sean Barbeau, Nikhil Menon, Xiaopeng Li, Robert Bertini, Yu Zhang, Mouyid Islam, Tingting Zhao, and Seckin Ozkul.

Students presenting included Amir Ghiasi, Bernadette Fausto, Dongfang Zhao, Shakhawat Tanim, Chunfu Xin, Divyakant Thlyn, Surya Prasanna Kumar Balusu, and Parvathy Vinod Sheela. Thanks to all for your contributions!

Special thanks to the faculty, staff and students of the UFTI and STRIDE for their hard work and hospitality!


Steve Polzin gave three presentations in November:

“New Data, New Research Priorities”
National Household Travel Survey, Applying Census Data for Transportation: 50 Years of Transportation Planning Data Progress
Kansas City, MO, November 15, 2017

“Unintended Consequences: What Else Should We be Thinking About?”
2017 Florida Automated Vehicle Conference
Tampa, FL, November 14, 2017

“Transportation’s Transformation: The Confluence of Demographic, Economic and Technology Trends.”
Arizona State University, and Maricopa County Metropolitan Planning Organization
Tempe, AZ, November 2, 2017
Photos of Jason Jackman at Oakstead Elementary School in Pasco County and Lucy Gonzalez-Barr at Umatilla Elementary in Lake County participating in the Great American Teach In. Amy Lester presented in two classes at Lake Myrtle Elementary and Jodi Godfrey presented at the Brooker Elementary School in Pinellas County. They were given the opportunity to share with the students about their career, experiences, and community involvement. Thank you for volunteering your time!

Amy Lester, Ph.D., MPH attended the American Public Health Association in Atlanta,
Georgia on November 5-8, 2017. She presented two posters -- Social Marketing Framework to Develop Key Messages for Travelers along High Crash Corridors in Florida and Neighborhood Residents' Perceptions of Physical and Social Environmental Factors Related to Active Transportation.

CUTR's Lisa Staes has been appointed as the new Chair of Transportation Research Board's task force on Transit Research and Safety. Congratulations!

Congratulations to CUTR faculty Jodi Godfrey who was recently elected Treasurer of the Tampa Bay Area Chapter of the Institute of Transportation Engineers! [http://www.tbite.org/](http://www.tbite.org/)

Pictured from left to right: David Gwynn (FDOT D7 Secretary), Jodi Godfrey (TBITE Treasurer), Don Skelton Jr. (TBITE Activities coordination chair), Danielle Joyce (TBITE President), Carlos Ramirez (TBITE Past President), Kris Milster (TBITE Vice President), Emmeth Duran (TBITE Secretary), Danni Jorgenson (TBITE Immediate Past President). Jodi is very active with ITE at USF, in the Tampa Bay Area and internationally--she was also recently named as a member of the Women in ITE Task Force for ITE for 2018.
Richard Driscoll was selected as the National Center for Transit Research UTC Student of the Year for 2017. The National Center for Transit Research at CUTR is funded through a grant issued by the United States Department of Transportation’s Office of Research. The Office of Research (OST-R) encourages all recipients of University Transportation Center grants to choose a Student of the Year who represents excellence in research, academics, and leadership. Each year since 2003, the National Center for Transit Research at CUTR has selected a Student of the Year. Most of these students have gone on to distinguished careers in transportation, either in the public or private sector. Richard will be honored among many other UTC Students of the Year from around the country at the Council of University Transportation Centers Annual Awards Dinner on Saturday, January 6th that kicks off the Transportation Research Board Annual Meeting in Washington, DC. Congratulations!

Congratulations to CUTR faculty Dr. Seckin Ozkul on winning the Rising Star Award! The link to the USF Faculty Honorees profile is here: [https://awards.research.usf.edu/profiles/aw-index.php?id=1524](https://awards.research.usf.edu/profiles/aw-index.php?id=1524). Academic awards are available for every stage of a faculty members career and the USF Faculty Honors, Prizes & Awards, USF Research & Innovation can help them find the best match for their research, teaching, and career development goals. They can also help to nominate a deserving colleague. Check out their website to learn more about award opportunities: [https://awards.research.usf.edu](https://awards.research.usf.edu), or contact Dr. Victoria Stuart, Assistant Program Director, directly at vlstuart@usf.edu.
On Friday, December 1st, the students had a high quality Data Visualization Competition and ITE Fall social event. Each participant gave a 5 minute presentation on a topic using data visualization tools. There were four judges and the audience also gave their scores. It was a learning experience for everyone. Kurt Lehmann came in 1st place, Divyakant Tahlyan in 2nd, and Hualong Tang in 3rd place. Congratulations! The end-of-semester event was a success!
CUTR participated in the American Heart Association’s 2017 Tampa Bay Heart Walk on Saturday, November 11, coordinated by our very own, LaToyia Fipps. The funds collected from the walk were for Heart Disease and Stroke research. They walked to build healthier lives, free of cardiovascular diseases and stroke. Special thanks to everyone who took time out of their day to walk the 5K. Thank you to those that made donations and or walked: Lizette Charriez, Kelly Leto, Debbie Schultz, Brentin Mosher, Phil Winters, Jason Jackman, Sclafani Louis-Jeune, LaToyia Fipps, Sisinnio Concas, Sara Hendricks, Robyn Kibler, Matthew Kessler, Donna Everhart-Reno, Reena Raturi, Roberta Yegidis. $426 was raised, which exceeded the team’s goal of $300!

The links are still open if anyone would like to donate!
November 2017 New Projects

Project  Inspection of Transit Stop Locations on Pedestrian Safety  
Sponsor  Florida Department of Transportation – Research Office  
PI(s)  Gregg  
Value  $3,334

Project  2016-17 Florida Transit Information & Performance Handbook  
Sponsor  Florida Department of Transportation – Research Office  
PI(s)  Perk  
Value  $32,626

Project  Florida Motorcycle Observation Survey
November 2017 Proposals

**Project:** Enhancing Cybersecurity in Public Transportation  
**Sponsor:** Florida Department of Transportation - Research Office  
**PI(s):** Barbeau  
**Value:** $294,529

**Project:** Journal of Public Transportation  
**Sponsor:** North Dakota State University  
**PI(s):** Bertini  
**Value:** $5,000

**Project:** Identifying Options of State Support for New Starts and Small Starts  
**Sponsor:** Florida Department of Transportation - Public Transit  
**PI(s):** Hinebaugh/Perk  
**Value:** $82,683

**Project:** Creative Utilization of Urban Roadway Facilities with Predictive Safety  
**Sponsor:** University of Texas at Arlington  
**PI(s):** Islam  
**Value:** $30,000
**Project:** Improving Quality of Life for Transportation-Disadvantaged Older Adults  
**Sponsor:** Center for Transportation & Environment  
**PI(s):** Jang/Lee  
**Value:** $60,000

**Project:** Transportation Disadvantaged Service Plan (TDSP) -- Major Update  
**Sponsor:** Collier Metropolitan Planning Organization  
**PI(s):** Joslin/Gregg  
**Value:** $30,324

**Project:** Florida Transit Marketing Network (FTMN) 2018  
**Sponsor:** Florida Department of Transportation - Public Transit Office  
**PI(s):** Mistretta/Gregg  
**Value:** $199,980

**Project:** Transit Research Inspection Procurement Services Program  
**Sponsor:** Florida Department of Transportation - Office of Freight, Logistics, & Passenger Operations  
**PI(s):** Staes  
**Value:** $570,000

**Project:** NITC Student Diversity Grant  
**Sponsor:** National Instituted for Transportation and Communities  
**PI(s):** Williams  
**Value:** $5,561

**Project:** NCHRP 25-47: How to Measure and Communicate the Value of Access  
**Sponsor:** Transportation Research Board  
**PI(s):** Williams  
**Value:** $600,000

**Project:** FDOT District One Commuter Assistance Program Interim Management  
**Sponsor:** Florida Department of Transportation - District One Office of Modal Development  
**PI(s):** Winters/Gregg  
**Value:** $180,410
Hi, I am Professor Nikolas Geroliminis, a Visiting Professor in the USF Civil and Environmental Engineering department and CUTR for the remainder of the year. I am an Associate Professor at EPFL and the head of the Urban Transport Systems Laboratory (LUTS). Before joining EPFL I was an Assistant Professor on the faculty of the Department of Civil Engineering at the University of Minnesota. I have a diploma in Civil Engineering from the National Technical University of Athens (NTUA) and an MSc and Ph.D. in Civil Engineering from the University of California, Berkeley. I also serve as an Associate Editor in Transportation Research part C, Transportation Science and IEEE Transactions on ITS and am on the editorial board of Transportation Research, part B, and of many international conferences. My research interests focus primarily on urban transportation systems, traffic flow theory and control, on-demand Hi, My name is Chantel Bell and I am a MA student in Applied Anthropology at USF. Nonprofit management consultant, artist, and cultural preservationist, my research interests converge on issues of poverty and equality in urban and Caribbean communities. I received my BA in Anthropology from Brooklyn college where I published the first guide to the archival holdings of Caribbean-Americans in New York. Since 2004 I have run Belle Management Consulting, a mission-driven firm dedicated to using proven management strategies to enhance the operational capacity of the grassroots, social justice, African diaspora arts sector. I am excited for the chance to hone my research skills at CUTR working with Dr. Amy Lester and the Transportation Management (TDM) group.
transport and shared mobility, Optimization and Large Scale Networks. I am the recipient of the ERC Starting Grant “METAFERW: Modeling and controlling traffic congestion and propagation in large-scale urban multimodal networks”.

Hello everyone!
My name is Tammer Al-Turk. I am an undergraduate student in the College of Civil Engineering at the University of South Florida. My research interests involve learning more about transportation and what can be done to further optimize the transportation industry. I will be conducting research with Dr. Robert Bertini for about a year.

Best regards,
Tammer Al-Turk

Hello!
I am Shruti Pareek, and my affinity toward data has steered me all the way from India to being right here with you today. I started my career three years back as a software developer and went on to become a Marketing Strategy and Analyst, thereby helping stakeholders in driving key business solutions, while using data as a strategic asset. Currently, I am pursuing my Masters in Business Analytics and Information Systems and I will be working with Professor Seckin Ozkul. On a personal front, I am an avid traveler and love meeting new people, embracing the varied perspectives, traditions and values that they bring.