

**Achilleas Kourtellis, Ph.D.**

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**EDUCATION****Formal**

- 2007 – 2009**     **Ph.D. in Civil Engineering with concentration in Transportation**, University of South Florida, USA
- 2004 – 2006**     **Master in Civil Engineering with concentration in Transportation**, University of South Florida, USA
- 2002 – 2004**     **Bachelor's in Civil Engineering with concentration in Transportation**, University of South Florida, USA
- 1997 – 2000**     **Diploma of Civil Engineering Technician**, Higher Technical Institute, Nicosia, Cyprus

**Seminars, Conferences**

- January 2014     Attended and Presented at the TRB 93<sup>rd</sup> Annual Meeting
- July 2013         Attended SHRP2 Safety Symposium
- January 2013     Attended and Presented at the TRB 92<sup>nd</sup> Annual Meeting
- June 2012        Attended SHRP2 Safety Research Symposium
- March 2012      Attended and Presented at the 53<sup>rd</sup> Annual Transportation Research Forum
- Oct 2011         Attended and Presented at the 18<sup>th</sup> ITS World Congress
- Jan 2010         Attended and Presented Poster at the TRB 89<sup>th</sup> Annual Meeting
- Jan 2009         Attended and Presented Poster at the TRB 88<sup>th</sup> Annual Meeting
- Sep 2008         Attended TRANSP0 2008 and co-presented
- May 2008         Attended and Presented at the 10<sup>th</sup> International Conference on Applications of Advanced Technologies in Transportation
- Mar 2008         Attended ITE Technical Conference and Exhibit
- Jan 2007         Attended and Presented Poster at the TRB 86<sup>th</sup> Annual Meeting
- June 2006        Attended Florida Section ITE Summer Meeting
- Sep 2006         Attended TRANSP0 2006
- Jan 2006         Attended the TRB 85<sup>th</sup> Annual Meeting
- Jan 2005         Attended the TRB 84<sup>th</sup> Annual Meeting

**RESEARCH INTERESTS**

- Driver behavior changes in response to telematics devices
- Safety enhancement systems on vehicles
- Intelligent transportation systems implementation
- Crash avoidance systems
- Data collection utilizing controlled driving tests
- Pedestrian, bicycle and motorcycle safety
- Connected vehicles and automated vehicles
- Naturalistic studies

## RESEARCH EXPERIENCE

2013-2015	Currently working on the “Naturalistic Bicycling Behavior Pilot Study” funded by FDOT.
2013-2014	Currently working on the “Pedestrian and Bicycle Program Evaluation and Data Collection” grant funded by FDOT.
2013-2014	Currently working on the “Comprehensive Pedestrian and Bicycle Safety Program” grant funded by FDOT.
2012-2013	Managed the “Pedestrian and Bicycle Program Evaluation and Data Collection” grant funded by FDOT.
2012-2013	Worked on the “Comprehensive Pedestrian Safety Program” grant funded by FDOT.
2012-2013	Managed the “Program Evaluation and Ped/Bike Safety Focused Initiative” grants funded by FDOT.
2011-2012	Worked on “Evaluation of Camera-Based Systems to Reduce Transit Bus Side Collisions-Phase II”, a project funded by the National Center for Transit Research and FDOT.
2010-2014	Managed one of the sites for the “Naturalistic Driving Study” sponsored by the Strategic Highway Research Program 2 of the Transportation Research Board.
2009-2012	Worked on the “Comprehensive Motorcycle Safety Program” for FDOT.
2010-2011	Worked on “FDOT District 7 Pedestrian Safety Action Plan/NHTSA Grant Evaluation”
2009-2010	Worked on “ITS technology Enhancements” for the Florida Turnpike Enterprise.
2008-2009	Worked on “Evaluation of Camera-Based Systems to Reduce Transit Bus Side Collisions-Phase I”, a project for the National Center for Transit Research.
2006 – 2008	Contributed in research proposals on evaluation of effectiveness of camera-based systems for crash avoidance. Worked on “Evaluation of Power Line Motor Carrier Rear Vision System”, project funded by FDOT. Also helped with data collection on “Signal Technology Applications to Address Traffic Congestion on US 301 in Starke, Florida”, project funded by FDOT.
2004 – 2006	Worked on “Pedestrian Crossing Safety”, and “Alternative Measures of Transit Share”, projects funded by FDOT.

## TEACHING EXPERIENCE

- Transportation Engineering I at USF.
- Transportation Safety at USF.

## PUBLICATIONS

1. *C. Xuehao, P.S. Lin, A. Kourtellis.* “Safety Effects and Guideline Development for Uncontrolled Midblock Crosswalks”, 2008 ITE Technical Conference and Exhibit, April 2008.
2. *C. Xuehao, M. Guttenplan, A. Kourtellis.* “Considering Usage and Safety Effects in Guidelines for Uncontrolled Midblock Crosswalks”, 86<sup>th</sup> TRB Annual Meeting, Washington D.C., January 2007.
3. *P.S. Lin, A. Kourtellis, S. Rai.* “Evaluation of Motor Carrier Rear Vision Systems”, 14<sup>th</sup> World Congress on ITS, Beijing, China, October 2007.
4. *A. Kourtellis, P.S. Lin, C. Lee, P. Hsu, J. Zhao.* “Comparison of Available Rear Vision Systems for Heavy Trucks”, 10<sup>th</sup> Conference on Applications for Advanced Technologies in Transportation, Athens, Greece, May 2008.
5. *Kourtellis A., C. Lee, P.S. Lin, J. Zhao, P. Hsu, J. Lu.* “Evaluation of the Effectiveness of Rear-View Camera Systems as a Countermeasure for Truck Backing Crashes: Lessons Learned from Actual Field Deployment”, 88<sup>th</sup> TRB Annual Meeting, Washington D.C., January 2009.

6. Lee C., **A. Kourtellis**, P.S. Lin, P. Hsu. "Evaluation of the Effectiveness of Rearview Video Systems (RVS) as a Countermeasure for Truck Backing Crashes with a Controlled Test", 89<sup>th</sup> TRB Annual Meeting, Washington D.C., January 2010.
7. **Kourtellis A.**, P.S. Lin, C. Lee. "Evaluation of Camera-Based Systems to Reduce Bus Side Collisions", 90<sup>th</sup> TRB Annual Meeting, Washington D.C., January 2011.
8. **A. Kourtellis**, P.S. Lin, M. Gawade, H. Zhu. "Evaluation of Pedestrian Safety Action Plan in Tampa Bay", ITE Annual Meeting and Exhibit, St. Louis MI, August 2011.
9. Lin P.S., **A. Kourtellis**, C. Lee. "Evaluation of Camera Based System to Reduce Bus Side Collisions: Driver Survey", 18<sup>th</sup> World Congress on Intelligent Transport Systems, Orlando FL, October 2011.
10. **Kourtellis A.**, P-S. Lin, Gawade Makarand. "Measuring Unsafe Pedestrian Behavior Using Observational Data", 92th TRB Annual Meeting, Washington DC, January 2013.
11. Elmehraz N., S. Katkooi, **A. Kourtellis**, P-S. Lin. "Prototyping of a Portable Data Logging Embedded System for Naturalistic Motorcycle Study". 2013 International Conference on Connected Vehicles and Expo (ICCVE), December 2013.
12. P-S. Lin, and **A. Kourtellis**. "Planning and Design for Prevention of Incorrect Turns onto Highway-Rail Grade Crossings", International Chinese Transportation Professionals Association (ICTPA) 27<sup>th</sup> Conference, Beijing, China, May 2014.

## PROFESSIONAL ACTIVITIES

### *Service*

- Reviewer for the Journal of Intelligent and Robotic Systems
- Reviewer for the Journal of Transportation Safety & Security

### *Memberships*

- Florida Board of Professional Engineers E.I.
- Cyprus Scientific and Technical Chamber - Registered Civil Engineer
- Member of American Society of Civil Engineers (ASCE)
- Member of Institute of Transportation Engineers (ITE) as well as Tampa Bay ITE and Florida Section ITE