Workshop on Adaptive Control to Intelligent Transportation Systems
In Celebration of Prof. Petros Ioannou's 70th Birthday

June 29, 2023
Grand Resort, Limassol, Cyprus
Grand Hall A

Technical Program

14:00-16:00 Adaptive Control and Intelligent Transportation Systems (I)
Chair: Marios Polycarpou, University of Cyprus

14:00-14:10	The Journey from Robust Adaptive Control to Intelligent Transportation Systems Jing Sun, University of Michigan
14:10-14:30	Learning Adaptive Optimal Controllers from Data Zhongping Jiang, New York University
14:30-14:50	Self-learning Control for Advanced Powertrain Systems Andreas Malikopoulos, University of Delaware
14:50-15:10	Recent Results on Adaptive Estimation of Spatially distributed Systems: Functional Estimation of SPR Infinite Dimensional Systems and Mobile Estimation of Spatially Distributed Systems Michael Demetriou, Worcester Polytechnic Institute
15:10-15:30	The Road to Emerging Mobility Systems for Smart Cities Azim Eskandarian, Virginia Tech
15:30:15:50	A Robust Trajectory Tracking Control Method for Automated Vehicles Yaobin Chen, Purdue School of Engineering and Technology, IUPUI
15:50-16:00	Signalling of Control Strategies in Stochastic Control Charalambos Charalambous, University of Cyprus

16:00-16:30 Coffee break

16:30:18:30 Adaptive Control and Intelligent Transportation Systems (II)
Chair: Jing Sun, University of Michigan

16:30-16:50	Online Control for the Internet of Vehicles Using Bayesian Optimization George Giannakis, University of Minnesota
16:50-17:10	GLOSA Algorithms for Signalised Urban Junctions

Markos Papageorgiou, Technical University of Crete

17:10-17:30   DeCAST in TransVerse for Parallel Intelligent Transportation Systems
and Smart Cities
Fei-Yue Wang, Chinese Academy of Science

17:30-17:40   Convexification Approaches for Regional Route Guidance and Demand
Management with Generalized MFDs
Stelios Timotheou, University of Cyprus

17:40-17:50   Title: Intelligent Cruise Control
Christos Panayiotou, University of Cyprus

17:50-18:00   Enabling Cooperative Autonomous Driving Using Intelligent Reflecting
Metasurfaces
Marios Lestas, Frederick University

18:00-18:10   Memories from working with Petros (TRAFBUS, BUSSIM,
TRANSIM): Determination, Hard Work and Success!
George Papageorgiou, European University of Cyprus

18:10-18:20   Some Thoughts of the Early Days of Neural Networks
Marios Polycarpou, University of Cyprus

18:20-18:30   Concluding remarks
Petros Ioannou, University of Southern California

Following the technical program, a celebration will be held over dinner.