

CDC 2014 Workshop

Sunday, Dec. 14, 2014 (2:00 pm – 4:45 pm)

Workshop Title -- Ümit Özgüner: Recognition of Contributions

Organizers:

F. Khorrami (NYU), A. Iftar (Anadolu Univ.), D. Schoenwald (Sandia National Labs), E. Barbieri (Univ. of North Texas), and L. Acar (Missouri Univ. of Science and Technology).

Abstract:

This workshop is in honor and recognition of the many significant contributions of Prof. Ümit Özgüner over a long and distinguished career.

Ümit Özgüner received his PhD degree from the University of Illinois at Urbana-Champaign and has worked at IBM Research (Yorktown Heights), Istanbul Technical University, University of Toronto, and The Ohio State University. He has spent sabbatical leaves at the Ohio Aerospace Institute, Ford Motor Company, Istanbul Technical University and Okan University in Turkey. He is currently a Professor of [Electrical and Computer Engineering](#) at OSU and holds the title of [TRC Inc.](#) Chair on ITS. Since October 2013, he has also been the Director of the OSU [Crash Imminent Safety University Transportation Center](#).

Professor Özgüner's research interests are in large scale systems, decentralized control, intelligent transportation systems and autonomous vehicles. He has been one of the pioneers in creating new courses and laboratories in the control curricula, and has mentored younger researchers in their career development. He has over 400 publications and has advised over 25 students on their PhD studies. Prof. Özgüner has been awarded on several occasions the Ohio State University College of Engineering Lumley Research Awards.

Professor Özgüner has been the General or Program Chair of many International Conferences in control and ITS. He was the General Chair of the 2002 CDC and was the founding President of the IEEE ITS Council which is now the [IEEE ITS Society](#). He is also a Fellow of IEEE. Teams that he led have participated successfully in various autonomous driving challenges including Demo'97 and all the [DARPA Grand and Urban Challenges](#).

Workshop Outline:

This workshop is organized into the following two parts: remarks by several prominent leaders in the field and a technical part comprised of four talks.

The first part of the workshop will feature remarks by prominent leaders in the systems and control field, who have collaborated with Ümit Özgüner and have known him for over the past 40 years. The speakers include:

Contact: Farshad Khorrami (NYU) – khorrami@smart.poly.edu

1. Prof. Farshad Khorrami (NYU) – Opening Remarks
2. Prof. Tamer Başar (University of Illinois at Urbana-Champaign)
3. Prof. Steven Yurkovich (UT Dallas)
4. Prof. Marwan Simaan (University of Central Florida)
5. Prof. Ted Davison (University of Toronto)
6. Prof. Joe Chow (RPI)
7. Prof. Altug Iftar (Anadolu University)
8. Prof. Levent Acar (Missouri University of Science and Technology)
9. Prof. Enrquie Barbieri (University of North Texas)
10. Dr. David Schoenwald (Sandia National Labs)

The second part of the workshop will feature talks on advanced topics in large scale systems, and control of autonomous systems by some of the former students of Ümit Özgüner. The technical talks will be given by

1. Prof. Farshad Khorrami (NYU) – “Decentralized Control and Robotics Applications”
2. Prof. Altug Iftar (Anadolu Univ.) – “Decentralized Control of Time-Delay Systems”
3. Prof. Mehmet Akar (Boğaziçi Univ.) – “Distributed Consensus, Markov Chains, and Fast Mixing”
4. Dr. David Schoenwald (Sandia National Labs) – “Decentralized Control Challenges in Large-Scale Electric Power Networks”

Closing Remarks/Comments: Prof. Ümit Özgüner (OSU) and Prof. Farshad Khorrami (NYU)