



WIE Luncheon at SMC 2025

Time: 1:00-2:00 pm October 6 Monday

Location: Room 1.86

IEEE SMC WIE
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Keynote Talk

Artificial Intelligence Approaches for Integrating Cooperative, Connected and Automated Mobility in the Urban Traffic

Dr. Maria Pia Fanti, Professor

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Bio: Maria Pia Fanti (M'92-SM'02-F'17) received the Laurea degree in electronic engineering from the University of Pisa, Pisa, Italy, in 1983. She was a visiting researcher at the Rensselaer Polytechnic Institute of Troy, New York, in 1999. Since 1983, she has been with the Department of Electrical and Information Engineering of the Polytechnic of Bari, Italy, where she is currently a Full Professor of system and control engineering and Chair of the Laboratory of Automation and Control. Her research interests include management and modeling of complex systems, such as transportation, logistics and manufacturing systems; discrete event systems; Petri nets; consensus protocols; fault detection. Prof. Fanti has published more than 360 papers and two textbooks on her research topics. Prof. Fanti received from the IEEE SMCS in 2008 the best Associate editor award of the Trans. on SM, the best technical committee chair award and the 2020 IEEE SMC outstanding Contribution Award.

She is senior editor of the IEEE Trans. on Automation Science and Engineering, Associate Editor of the IEEE Trans. on Systems, Man, and Cybernetics: Systems and Associate Editor of the Transaction on Intelligent Vehicles. She is member at large of the Board of Governors of the IEEE Systems, Man, and Cybernetics Society, and was member of the AdCom of the IEEE Robotics and Automaton Society, founder and chair of the Technical Committee on Automation in Logistics of the IEEE Robotics and Automation Society. Prof. Fanti was involved in the organizing committee of a large number of International conference and in particular she was General Chair of the 2011 IEEE Conference on Automation Science and Engineering, the 2017 IEEE International Conference on Service Operations and logistics, and Informatics and the 2019 IEEE Systems, Man, and Cybernetics Conference, Program co-Chair of the IEEE SMC 2023, Automation Chair of the IEEE ICRA.