

Program of the Workshop on *Applications of Discrete Event Systems*.

Date: **September 4th, 2018, 9.00h.**

- 9.00 Opening – Cristian Mahulea and Carla Seatzu, Workshop organizers
9:05 ***Efficient Planning and Energy Optimization of Manufacturing Systems***
 Bengt Lennartson, Chalmers University of Technology, Gothenburg, Sweden
9:45 ***Fleet Sizing for Electric Car Sharing Systems in Discrete Event System***
 Frameworks
 Maria Pia Fanti, Politecnico di Bari, Italy

10:25 - 10:50 h. **Coffee break**

- 10:50 ***Using Petri nets to model logistics and transportation systems***
 Mariagrazia Dotoli, Politecnico di Bari, Italy
11:22 ***Home Care Vehicle Routing Problem: The Case of Chargeable Overtime and***
 Preferences
 Andrea Matta, Politecnico di Milano, Italy, and Shanghai Jiao Tong University,
 China
11:55 ***Path and task planning of multi-robots systems using Petri net models***
 Cristian Mahulea, University of Zaragoza, Spain
12:30 *Workshop Closing*