Next-Generation Cyber-Physical Systems
PROGRAM

Day 1 (13/09/2021)
09:30-10:30:   Introduction
10:30-12:30:   Real-Time Cyber-Physical Systems (G. Buttazzo)
12:30-14:00:   Lunch break
14:00-16:00:   Operating systems and virtualization technologies (L. Abeni)
16:00-17:00:   Lightweight virtualization (L. Abeni)
17:00-18:00:   Embedded platforms I (M. Marinoni)
18:00-18:30:   Evaluation Test

Day 2 (14/09/2021)
08:30-11:30:   Deep Learning Algorithms (G. Buttazzo)
11:30-12:30:   Embedded platforms II (M. Marinoni)
12:30-14:00:   Lunch break
14:00-16:00:   Deep learning frameworks (D. Casini)
16:00-18:00:   Hardware acceleration of AI (A. Biondi)
18:00-18:30:   Evaluation Test

Day 3 (15/09/2021)
08:30-10:30: Cyber-attacks to AI-based systems (F. Nesti)
10:30-13:15: Cryptography and data security (T. Cucinotta)
13:15-14:15: Lunch break
14:15-16:00: System-level Cyber-Security: Attacks (A. Biondi)
16:00-17:00: System-level Cyber-Security: Defenses (A. Biondi)
17:30-18:00: Evaluation Test

Day 4 (16/09/2021)
08:30-09:30:   Legal aspects in CPS (G. Comandé)
09:30-10:30:   CPS and Intellectual Property (C. Sganga)
10:30-12:30:   Design methods and tools (M. Di Natale)
12:30-14:00:   Lunch break
14:00-16:00:   CPS software in automotive systems (M. Di Natale)
16:00-17:00:   Industrial experience from Huawei (P. Gai)
17:00-18:00:   Industrial experience from Aitronik (R. Mati)
18:00-18:30:   Evaluation Test

Day 5 (17/09/2021)
08:30-10:30:   Innovation management and technology transfer (A. Piccaluga)
10:30-11:30:   Industrial experience from Hitachi (S. Sabina)
11:30-12:30:   Industrial experience from Accelerat (G. Cicero)
12:30-14:00:   Lunch break
14:00-16:00:   Component-based software (T. Cucinotta)
16:00-16:30:   Evaluation Test
16:30-17:00:   Closing remarks