Call for Papers
Track 7- Intelligent Robots & Systems

Track co-chairs

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❖ **FOCUS.** Development of real-world intelligent robots and systems, comprising of robot prototypes, robot programming, robotic & artificial intelligence applications, sensor data processing in robotics and intelligent embedded systems, as well as on benchmarking and usability studies.

❖ **TOPICS**
  ❖ Environment Description, Map Building and Localization, SLAM
  ❖ Navigation incl. Collision Avoidance and Path Planning
  ❖ Perception for Robotics
  ❖ Advanced Sensors and Vision Systems for Robotics
  ❖ Active SLAM
  ❖ Multi-Agent Systems and Distributed Robotic Architectures
  ❖ Cooperative and Collaborative Robotics
  ❖ Network Robotic
  ❖ Intelligent Robotic Assistant
  ❖ Intelligent Embedded Systems and Integrated Intelligence
  ❖ Cognitive Robotics
  ❖ Robot Learning and Deep Learning in Robotics
  ❖ Robot Programming and Control Architecture Design
  ❖ Arms and Mobile Manipulators
  ❖ Simulation and Models for Robotics
  ❖ Training and Education in Robotics
  ❖ Human-Robot Interaction
  ❖ Supervision, Planning and Failure Recovery
  ❖ Advanced Applications of Autonomous Robots
  ❖ Sustainable Robotics and Applications

❖ **AIM.** The aim of the conference is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in the newly emerging areas of technology, as well as actual and potential applications to industrial and factory automation.

❖ **CONFERENCE FORMAT.** The conference will comprise multitrack sessions for regular papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations, as well as work-in-progress (WIP) and industry practice sessions.

❖ **AUTHOR'S SCHEDULE (2020)**

❖Regular and special sessions papers
  Submission deadline .... April 1
  Acceptance notification .... May 6
  Deadline for final manuscripts .... June 17

❖Work-in-progress/ Industry practice papers
  Submission deadline .... May 13
  Acceptance notification ....June 10
  Deadline for final manuscripts .... June 17

Track Programme Committee

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❖ Andrea Bonci, *Università Politecnica delle Marche, Italy*
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