

2nd Call for Papers

IAS-15

2018

www.ias-15.org

The 15th International Conference on Intelligent Autonomous Systems
Congress Center Baden-Baden, Germany, June 11-15, 2018



Intelligent Autonomous Systems are increasingly applied in various areas ranging from industrial applications to professional service and household domains. New technologies and application domains push forward the need for research and development resulting in new challenges to be overcome in order to apply Intelligent Autonomous Systems in a reliable and user-independent way. Recent advances specifically in the area of Artificial Intelligence, Machine Learning and Adaptive Control enable autonomous systems with improved robustness and flexibility.

The 15th International Conference on Intelligent Autonomous Systems focuses on theory and advanced systems to be applied in industry and society as well as in adverse environments. The international event will bring together scientists, engineers and students on an international stage to present and discuss latest scientific results, technologies and ideas enabling Intelligent Autonomous Systems to perform in a safe, skillful and robust manner handling uncertainty and unforeseen events.

The conference will take place in the historical and culturally rich city of Baden-Baden in the Black Forest area of southern Germany. It is conveniently reachable by airplane or train, located close to the border with France.

Important Dates:

✉ contact@ias-15.org

SUBMISSION OF FULL PAPERS:

FEB 01, 2018

ACCEPTANCE NOTIFICATION:

APRIL 15, 2018

CAMERA-READY SUBMISSION:

MAY 15, 2018

General Chair

Marcus Strand
Baden-Wuerttemberg Cooperative State
University, Germany

General Co-Chair

Rüdiger Dillmann
Karlsruhe Institute of Technology, Germany

Honorary Chairs

Frans Groen, University of Amsterdam,
Netherlands
Enrico Pagello, University of Padua, Italy

Advisory Committee

Sukhan Lee, Sungkyunkwan University, Korea
Weidong Chen, Shanghai Jiao Tong University,
China
Emil Petriu, University of Ottawa, Canada

Steering Committee

Marcelo Ang, National University of Singapore,
Singapore
Hajime Asama, University of Tokyo, Japan
Michael Beetz, Bremen University, Germany
Henrik Christensen, University of California, USA
Angel Pasqual del Pobil, Jaume I University, Spain
Koh Hosoda, Osaka University, Japan
Huosheng Hu, University of Essex, Great Britain
Jangmyung Lee, Pusan National University, Korea

Program Chair

Emanuele Menegatti, University of Padua, Italy

Asia Regional Program Chair

Jun Miura,
Toyohashi University of Technology, Japan

Europe/Africa Regional Program Chair

Vitor Sequeira, Joint Research Center of the EU,
Italy

America Regional Program Chair

Gordon Lee, San Diego State University, USA

Financial Chair

Stefanie Speidel,
National Center for Tumor Diseases, Germany

Tutorial Chair

Rosario Sorbello, University of Palermo, Italy

Workshop Chair

Philippe Martinet, University of Nantes, France

Industrial Activities Chair

Bernhard Schick, Kempten University, Germany
Shashank Pathak, Visteon Corporation, Germany
Kai Arras, Robert Bosch GmbH

Publicity Chair

Maria Gini, University of Minnesota, USA
Atsushi Yamashita, University of Tokyo, Japan
Karsten Berns, University of Kaiserslautern,
Germany
Jianwei Zhang, University of Hamburg, Germany
Hesheng Wang, Shanghai Jiao Tong University,
China

Publication Chair

Stefano Ghidoni, University of Padua, Italy

Exhibition Chair

Tamim Asfour,
Karlsruhe Institute of Technology, Germany

Sponsoring Chair

Nikolaus Vahrenkamp, Sick AG, Germany

Awards Chair

Tom Henderson, University of Utah, USA
Edward Grant, North Carolina State University,
USA

Topics include but are not limited to

Industrial Mobile Robots

Collaborative Robots / Cobots

Household Robots

Long Term Autonomous Systems

Humanoid Robots

Intelligent Machinery

Climbing Robots

Outdoor and Field Robots

Autonomous Cars

Healthcare Robots

Applied Robots

Flying Robots

On-Water/Underwater Robots

Robot Swarms

Biomimetic Robots

Robot Vision

Advanced Obstacle Avoidance

Robot Simulations

Human-Robot-Interaction

Semantic Modelling

Intelligent Systems Proving Grounds

Augmented Robotics

Data Fusion and Machine Learning

Localization and SLAM

Robots for Industry 4.0

Robotic Competitions

Intelligent Sensors and Systems

Cloud Robotics

Intelligent Perception

Mechatronics for Intelligent Systems

Keynote speakers confirmed:

Hajime Asama, University of Tokyo, Japan

Christian Scheurer, KUKA Roboter GmbH, Germany

Gregory Dudek, McGill University, Canada

Call for Workshops and Tutorials:

The Organizing Committee for the 15th International Conference on Intelligent Autonomous Systems requests proposals for full and half-day workshops/tutorials to be held on June 11th, 2018 at the Congress Center, Baden Baden, Germany

The IAS-15 Workshops/Tutorials will offer high-quality, topically-focused forums for researchers at the forefront of robotics and Intelligent Autonomous Systems.

Prospective organizers should email their proposals to:
workshops-tutorials-ias15@ias-15.org

Important Dates:

SUBMISSION DEADLINE: JANUARY 10, 2018

ACCEPTANCE NOTIFICATION: MARCH 01, 2018

WORKSHOP AT THE CONGRESS CENTER: JUNE 11, 2018

supported by:



sponsored by:



BOSCH