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**SPECIAL ISSUE ON**  
**Artificial Intelligence for Mobile Robotic Networks**

**Overview:**

The integration of artificial intelligence and multimedia communication networks has become a topic of increasing interest for both researchers and developers from academic fields and industries worldwide. It is foreseeable that artificial intelligence will be the main approach of the next generation of mobile robotic networks. The explosive number of artificial intelligence methods and increasing computational power of network-based computers has significantly extended the number of potential applications for mobile robotics. It has also brought new challenges to the artificial intelligence community. The aim of this special issue is to provide a platform to share up-to-date scientific achievements in this field.

**Topics**

Topics of interest include, but are not limited to, the following scope:

- Artificial Intelligence for Multimedia Systems	- Multimedia Learning for Internet of Things
- Big Data for Communication Systems	- Machine-to-Machine Communication
- Positioning and Navigation Systems	- Multimedia Signal Processing for Networks
- Ocean Observing System Management	- Big Data for Mobile e-Healthcare Systems
- Artificial Intelligence for Multimedia Communication	- Smart Mobile Applications
- Deep Learning for Multimedia Systems	- Robotics for Multimedia Communication Systems
- Artificial Intelligence Systems and Applications	- Computer Vision for Mobile Robotics
- User Experience for IoT Systems	

**Important Dates**

- **Manuscript submission deadline: June 15, 2017**
- Notification of acceptance: September 30, 2017
- Submission of final revised paper: November 30, 2017
- Publication of special issue (tentative): February 30, 2018

**Submission Procedure**

Authors should follow the MONET Journal manuscript format at the journal site: <http://www.springer.com/engineering/signals/journal/11036>. Manuscripts are submitted on line through <http://www.editorialmanager.com/mone/>. When submitting papers, authors should choose article type as “**SM 202** – Artificial Intelligence for Mobile Robotic Networks (ROSENET2017)”. A copy of the manuscript should also be emailed to the following email: [dr.huimin.lu@ieee.org](mailto:dr.huimin.lu@ieee.org). The "subject field" of the email must contain "MONET ROSENET2017 Paper - ".

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<http://www.springer.com/journal/11036>

Mobile Networks and Applications

The Journal of SPECIAL ISSUES on Mobility of Systems,

Users, Data and Computing

Editor-in-Chief: Chlamtac, I.

ISSN: 1383-469X (print version)

ISSN: 1572-8153 (electronic version)

Journal no. 11036