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**ACM/Springer Mobile Networks & Applications (MONET)**  
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**SPECIAL ISSUE ON**  
**Intelligent and Holistic Solutions for Next Generation**  
**Wireless Networks**

**Overview:**

Recent developments in intelligent solutions, especially in deep machine learning (DML), has boosted significant growing interests in applying artificial intelligence (AI) to next generation communication systems and networks. On one hand, wireless networks have been designed and optimized by generations of dedicated efforts for bandwidth, power, and spectrum efficiency, with little room left for improvements in most cases. On the other hand, intelligent and heuristic solution enabled networks appear to promise a new and simple design regime where near optimal performance can be achieved by merely using certain ready to use deep learning modules.

Meanwhile, many researchers have advocated the multidisciplinary approaches that deal with complete systems rather than with separated parts. Holism encourages non-linear mathematical models by claiming that most practical systems and their properties must be viewed as wholes, not just as a collection of parts. As a result, deep machine learning and other heuristic approximations has prevailed in recently wireless networking research activities.

This special issue endeavors to provide wireless researchers with a variety of intelligent and holistic solutions, such as supervised/unsupervised learning, reinforcement learning, generative adversarial networks, and game-theoretic setups.

**Topics**

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

<ul style="list-style-type: none"><li>- AI-enabled Mobile Networks Design</li><li>- AI-based Network Intelligence for IoT</li><li>- AI-enabled Network Softwarization and Virtualization</li><li>- AI-based Ultra-Reliable and Low-Latency Communications</li></ul>	<ul style="list-style-type: none"><li>- Deep Machine Learning in Wireless Communications and Networking</li><li>- Deep Machine Learning in Cognitive Radio</li><li>- Deep Machine Learning in Data Driven Wireless Networking</li></ul>
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## Important Dates

- **Manuscript submission deadline: September 10, 2019**
- Notification of acceptance: October 15, 2019
- Submission of final revised paper: November 15, 2019
- Publication of special issue (tentative): January 30, 2020

## Submission Procedure

Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through <http://www.editorialmanager.com/mone/>.

A copy of the manuscript should also be emailed to the Guest Editors at the following email address(es).

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