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**SPECIAL ISSUE ON**  
**Game Theory for Networks**

**Overview:**

Game theory has recently become a useful tool for modeling and studying various networks. The past decade has witnessed a huge explosion of interest in issues that intersect networks and game theory. With the rapid growth of data traffic, from any kind of devices and networks, game theory is requiring more intelligent transformation. Game theory is called to play a key role in the design of new generation networks as well as in the development of the Internet of things.

This journal encourages archival quality papers that advance the state-of-the-art and practical applications of intelligent game theory. The goal is to gather research contributions, from game theory and networks, that address the major opportunities and challenges in applying traditional game theory as well as intelligent game theory to the understanding and designing of modern network systems, with emphasis on both new analytical techniques and novel application scenarios. We encourage prospective authors to submit their original, unpublished work.

**Topics**

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

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| <ul style="list-style-type: none"><li>- Intelligent game theory and its applications</li><li>- Novel solution concepts such as equilibrium solutions or core solutions</li><li>- Game theory based machine learning</li><li>- Smartphone-based crowdsourcing and game theory</li><li>- Multimedia applications based on game theory</li><li>- Network security based on game theory</li><li>- Correlated equilibrium</li><li>- Network pricing</li><li>- Rate allocation game</li><li>- Power control game in communication systems</li></ul> | <ul style="list-style-type: none"><li>- Game theory in interactive applications</li><li>- Game theory in cognitive radio networks</li><li>- Game theory for Internet of things</li><li>- Game theory in social networks</li><li>- Game theory in wireless and cellular network</li><li>- Coalitional game theory in networks</li><li>- Network optimization</li><li>- Distributed learning</li><li>- Game theory in network function virtualization and software defined network</li></ul> |
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**Important Dates**

- Manuscript submission deadline: April 1, 2018
- Notification of acceptance: May 31, 2018
- Submission of final revised paper: June 30, 2018
- Publication of special issue (tentative): October 2018

## 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 addresses: [jsong@khu.ac.kr](mailto:jsong@khu.ac.kr), [hli31@utk.edu](mailto:hli31@utk.edu), and [marceau.coupechoux@enst.fr](mailto:marceau.coupechoux@enst.fr).
- Authors that submit their paper directly to the **Gamenets 2018** conference will be candidates for inclusion in this special issue.

## Guest Editors:

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