

## Call for Papers

Transactions on Emerging Telecommunications Technologies (ETT)  
*Machine learning/AI for IoT, M2M, and Computer Communication.*

### Aim and Scope:

Recent advances in Machine Learning (ML) have been endorsed by other computing areas, such as robotics and speech recognition. However, the application of Machine Learning techniques on networking is recently getting momentum and requires comprehensive investigation. Currently, most networking algorithms and policies work on predefined sets of rules, which are not efficient as well as adaptive to support the explosive traffic demand due to the growth of smart devices as well as new services such as IoT and M2M. On the contrary, ML techniques can learn from data to solve application specific and generic network issues.

In this special issue (Machine learning//AI for IoT, M2M, and computer networks.), the aim is encourage leading as well as new academic and industry researchers to engage in investigating machine learning techniques to *i*) predict performance such that system capacity is increased or energy consumption is reduced *ii*) represent and classify a complex system behavior from observed data such that specific performance degrading issues can be identified *iii*) develop an intelligent systems that guarantee QoS in a real time. ML can also be applied to design an adaptive network traffic management system, autonomous communication system and smart routing decision techniques.

### Topics of Interest:

The topics relevant to this special issue include but are not limited to:

- *ML/AI for IoT communication*
- *ML/AI for M2M and D2D communication*
- *ML/AI for Big data/Cloud computing and networks*
- *ML/AI for Future Internet and Autonomous networking*
- *ML/AI for 5G/6G cellular systems and heterogeneous networks*
- *ML/AI for Routing, switching and SDN (Software Defined Networking)*

Papers must be tailored to the problems of Communication and explicitly consider ML/AI techniques. The editors maintain the right to reject papers they deem to be out of scope of this special issue. Only originally unpublished contributions and invited articles will be considered for the issue. The papers should be formatted according to the ETT guidelines ([http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1541-8251/homepage/ForAuthors.html](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1541-8251/homepage/ForAuthors.html)). Authors should submit a PDF version of their complete manuscript via Manuscript central (<http://mc.manuscriptcentral.com/ett>) according to the timetable below.

### Important Dates:

Submission deadline:	December 1, 2018
Author Notification:	January, 31, 2019
Final Manuscript:	February, 28, 2019
Publication:	March 30, 2019

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