

*1<sup>st</sup> Workshop on***Applications of Artificial Intelligence in Smart Cities****Workshop Date:**

November 6-8, 2017  
(Co-located with  
IEEE ICTAI 2017)

**Location:**

Boston, MA, USA

**Venue:**

IEEE ICTAI 2017 Venue

**Paper Submission****Deadline:**

July 26, 2017

**Submission Web Page:**

[http://ictai2017.org/  
submission.htm](http://ictai2017.org/submission.htm)

**Notification of Acceptance**

August 20, 2017

**Extended Accepted Papers****will be invited**

**in a special issue of the  
International Journal of  
Monitoring and Surveillance  
Technologies Research**  
published by IGI Global

**Aim and Scope**

Discussions about the future positive impact of AI in every day life have drawn out discussions of the current accomplishments and future potential of AI in developing the smart cities of the future. Current cities are facing significant challenges in coping with an aging infrastructure, reducing carbon emissions and energy consumption, integrating renewables, enhancing health services, reducing traffic and diminishing ambient noise. AI have a transformational role to play in addressing these challenges, by enabling the integration of information technologies with the city physical assets ensuring greener, safer and more efficient urban environments.

In a smart city, it is expected that large amounts of data will be available about its operation at each particular time instance. In addition, its complexity, i.e. being a system comprised of numerous heterogeneous subsystems, mandates a high level of operational accuracy in order to be stable and reliable.

The scope of this workshop is to explore applications of artificial intelligence tools that find wide use in utilization and management of city assets and thus contributing in the autonomous, reliable and efficient operation of smart city.

**Topics of interest of the workshop include, but not limited to, applications of:**

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|--------------------------------------|--|
| Smart Grids                          | Big Data Mining in Cities                    |
| Smart Energy Systems                 | Monitoring and Surveillance Technologies     |
| Smart Healthcare                     | Control of Cyber-Physical Systems            |
| Smart Mobility                       | Applications of Constraint Programming       |
| Cybersecurity for Cities             | Multi-agent Simulation                       |
| Smart Cars                           | Knowledge representation in asset management |
| Smart Transportation                 | Smart Houses                                 |
| Smart meters and Smart sensors       | Physical Asset Security                      |
| Parameter Prediction and Forecasting |  |

**Workshop Chairs**

Prof. Nikolaos Bourbakis, *Wright State University, USA* — email: [nikolaos.bourbakis@wright.edu](mailto:nikolaos.bourbakis@wright.edu)  
Prof. Milos Alamaniotis, *Purdue University, USA* — email: [malamani@ecn.purdue.edu](mailto:malamani@ecn.purdue.edu)