

Call for Papers  
**Smart Infrastructures for Crowd Management (SICM)  
Workshop**  
*The 14<sup>th</sup> International Conference on Wireless Communications and Mobile  
Computing IWCMC 2018*

**St. Raphael Resort & Marina, Limassol,  
Cyprus June 25 — 29, 2018**

Workshop site: <https://sites.google.com/site/iwcmcsicm18/>  
EDAS submission link: <https://edas.info/newPaper.php?c=24423>

**Symposium Chairs:**

Hossam Hassanein, Queens' University, Canada, [hossam@cs.queens.ca](mailto:hossam@cs.queens.ca)  
Nizar Zorba, Qatar University, Qatar, [nizarz@qu.edu.qa](mailto:nizarz@qu.edu.qa)

**Scope:**

The scope of this workshop falls within recent efforts in the research and industrial communities that are aimed at realizing the Smart City, a term utilized for a city that exploits its distributed computing and communication infrastructure in order to sense, aggregate, process, discern and act upon various data, with the objective of bettering the management of the city's various sector (e.g., health, education, weather, business, etc.). The objective of the workshop on "Smart Infrastructures for Crowd Management" is to bring together researchers from many scientific areas to present and discuss up-to-date advances in theory and practice of crowd management in the smart city.

The SICM Workshop of IWCMC 2018 is soliciting original papers on research and development topics in the field of the crowd management. Prospective authors are cordially invited to submit original technical papers – up to 6 pages of length. Accepted papers will be published in the conference proceedings and will be submitted to the IEEE Xplore digital library. Topics of interest include, but are not limited to:

- Data aggregation and analytics for Mobile Crowd Management.
- Data filtering for crowdsourced information.
- Reputation Scores for Crowd Management through crowdsourcing.
- Crowd inference and classification.
- Trust and privacy in crowd management.
- Optimization of crowd management systems
- Incentive mechanisms for crowdsourcing
- Prediction approaches in Mobile Crowd Management.
- Mobile crowd management quality indicators (Quality of Source, measurements uncertainty, etc.).
- Network and computing infrastructures for crowd management.
- Geo-positioning schemes for crowd management.
- Crowd inference and classification.
- Crowd management Services.
- Crowd management in emergency and disruptive scenarios.
- Infrastructure inference and classification and behavior characterization.
- Testbeds and real measurements of infrastructures for crowd management.
- Architectures for crowdsourcing for mobile crowd management.
- City infrastructure inference and classification and behavior characterization.
- Measures for trust and privacy management.

## Submission Guidelines:

Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link: <https://edas.info/newPaper.php?c=24423> for possible publication in the IWCMC 2018 Conference Proceedings, which will be submitted to the IEEE Xplore. Selected papers will further be considered for possible publication in three special issues in the following Journals. For more information, visit: <https://sites.google.com/site/iwcmcsicm18/> and <http://iwcmc.org/2018/>

1. The International Journal of Sensor Networks (IJSNet)  
<http://www.inderscience.com/browse/index.php?journalCODE=ijsnet>
2. The International Journal of Autonomous and Adaptive Communications Systems (IJAACS):  
<http://www.inderscience.com/jhome.php?jcode=ijaacs>
3. KSII Transactions on Internet and Information Systems:  
<http://www.itiis.org/>
4. Peer-to-Peer Networking & Applications:  
<http://www.springer.com/engineering/signals/journal/12083>
5. Cyber-Physical Systems journal: [www.tandfonline.com/loi/tcyb20](http://www.tandfonline.com/loi/tcyb20)

**Note:** Note: There will be best Workshop paper award that will be invited to submit a paper to IEEE Communications Magazine:

<https://www.comsoc.org/commag> Special Issue on Crowd Management.

## Important Dates

Submission: 30 January 2018  
Acceptance notification: 30 March 2018  
Registration/Camera-ready: 30 April 2018

## TPC Members:

Sherif Oteafy (DePaul University, USA)  
Najah Abu Ali (UAE University, UAE)  
Burak Kantarci (University of Ottawa, Canada)  
Danda Rawat (Howard University, USA)  
Muhammad Khalil Afzal (COMSATS Institute of Information Technology, Pakistan)  
Nathalie Mitton (Inria Lille - Nord Europe, France)  
Maha Odeh (KTH, Sweden)  
Esraa Alomari (Wasit University, Iraq)  
Choong Seon Hong (Kyung Hee University, South Korea)  
Harry Skianis (University of Aegean, Greece)  
Miguel Elias Mitre Campista (Federal University of Rio de Janeiro, Brazil)  
Saud Althunaibat (AlHussein Bin Talal University, Jordan)  
Marcelo Carvalho (University of Brasília, Brazil)  
Andrzej Duda (Grenoble Institute of Technology, France)  
Amr Mohamed (Qatar University, Qatar)  
Ayman Radwan (Instituto de Telecomunicações, Portugal)  
Al-Sakib Khan Pathan (Southeast University, Bangladesh)  
Mubashir Rehmani (Waterford Institute of Technology, Ireland)