

Call for Papers

Recent Advances in 5G IoT and Smart City Solutions Workshop *The 16th International Conference on Wireless Communications and Mobile Computing IWCMC 2020*

IWCMC 2020 Website: <http://iwcmc.org/2020/>

Submission Link: <https://edas.info/newPaper.php?c=26206>

Limassol, Cyprus

June 15 — 19, 2020

Technically sponsored by: IEEE and IEEE Lebanon Section

Organizing Committee

Workshop Chairs:

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Scope

The concept of a smart city has recently caught the attention of many researchers. On the other hand, the paradigm of IoT applied to an urban context has attracted special interest worldwide. Though still without a strict definition, ultimate goals of a smart city would be making better use of the public resources, improving the quality of the services offered to the citizens while reducing the operational cost of those services.

With this demand in mind, 5G has extended its mission to connect millions of things more than just people. The resulting 5G IoT contributes to the prosperity of a smart city ecosystem by allowing entities, big or small, to set up IoT services without the need of implementing their own network facilities, compared with other solutions such as LoRa and SigFox. The massive communications will impose unprecedented challenges on the on-building 5G mobile network. The shared network infrastructure and environment also significantly raise the stake on the security of communications as well as IoT devices. Though network slicing is proposed by 3GPP, it is now still quite conceptual with a practical solution, resulting in an urgent need of innovations in network architecture, protocols, algorithms, etc.

To overcome these challenges, we propose this feature workshop to help both academic and industrial research communities understand the recent research progress and emerging technologies of 5G IoT for smart cities.

Topics

Authors are invited to submit previously unpublished papers to this Symposium. Topics include, but are not limited to:

- 5G network architecture for smart city IoT
- 5G NR and integrated IoT
- Compatibility and interoperability between 5G and smart city IoT
- Use cases of integrated IoT over 5G
- Security solutions for smart city IoT
- Business model driven 5G IoT
- Artificial intelligence in smart city IoT
- Among others

Important Dates

- Submission: January 10, 2020
- Acceptance notification: March 30, 2020
- Camera-ready paper submissions: April 30, 2020

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=26206> for possible publication in the IWCMC 2020 Conference Proceedings, which will be submitted to the IEEE Xplore. Selected papers will be further considered for possible publication in the special issues in following Journals. For more information, visit: <http://iwcmc.org/2020/>

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

Note: There will be best Paper award, best Symposium award and best Workshop award.

TPC Members (TBD)