

Call for Papers

Self-Organizing Heterogeneous Networks Workshop (SOHN 2014) in

The 10th International Wireless Communications & Mobile Computing Conference

IWCMC 2014 Website: <http://iwcmc.org/2014/>

SUBMISSION LINK: <https://edas.info/newPaper.php?c=14357>

Hilton Nicosia, Cyprus, August 4-8, 2014

*Technically sponsored by IEEE, IEEE Cyprus Section
Local sponsor: Frederick University, Cyprus*

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Workshop Chair:

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Scope:

In the recent year the wireless arena is witnessing an increasing interest in the Self-Organizing Network (SON) paradigm applied to communications and networking, both from an industrial and academic point of view.

SON usually relies upon the availability of multi-radio access technology and multi-layer networks, namely heterogeneous network (HetNet); while there has been a special focus on infrastructured communications starting from early LTE SON deployments till future radio access technologies beyond LTE and LTE-Advanced, SON coordination approaches and techniques might be generalized to ad hoc systems in an inherent distributed way. SON includes the so called self-properties such as self-configuration, self-optimization and self-healing. Self-configuration concerns automated and efficient deployment and initial configuration of new network elements. Self-optimization involves the adaptation of radio network parameters and configurations in order to meet local radio conditions and to co-exist with other network elements in an efficient manner, both from a node perspective, but also from a user perspective. Finally, when unexpected and disruptive events occur, a specific self-healing mechanisms may be adopted to promptly reduce the impact of the failures.

Accepted papers will be published in the IEEE IWCMC 2014 proceedings and will be included in the IEEE digital library (IEEE Xplore).

Topics of interest include, but are not limited to:

- SON in macro/small cells and HetNets
- SON in macro cells and HetNets
- Coexistence with 5G view and WiFi evolution
- Interference management
- Energy Saving Management (ESM) in HetNets

- RAN/ network / architecture for SON
- SON for vehicular applications
- SON management and coordination
- SON test bed and field trials
- SON evolution
- Cognitive and self-learning mechanisms
- Self-Configuration, Self-Optimization and Self-Healing
- Application of SON to smart cities scenario

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=14357> for possible publication in the IWCMC 2014 Conference Proceedings, which will be included in the IEEE Xplore. Selected papers will further be considered for possible publication in three special issues in the following Journals. For more information, visit: <http://iwcmc.org/2014>

1. Wiley Journal of Wireless Communications and Mobile Computing (WCMC)
<http://www3.interscience.wiley.com/journal/76507157/home>
2. The International Journal of Sensor Networks (IJSNet)
<http://www.inderscience.com/browse/index.php?journalCODE=ijsnet>
3. The International Journal of Autonomous and Adaptive Communications Systems (IJAACS): www.inderscience.com/ijaacs

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

Important Dates:

Submission:	December 15, 2013
Acceptance notification:	March 15, 2014
Camera-ready paper submissions:	April 15, 2014
Registration deadline for authors:	April 15, 2014

TPC Members: to be added.