



# CALL FOR PAPERS

**ICRASON 2021**  
**Oct 06-07, 2021**  
**Beijing, China**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICRASON 2021 : International Conference on Recent Advances in Self-Organizing Networks is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Recent Advances in Self-Organizing Networks. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

SON use cases and functions in future radio networks  
SON in evolved radio networks, such as 5G and LTE beyond Rel. 13, including D2D, M2M, V2X technologies and others, heterogeneous networks (3GPP and non-3GPP): multi-layer, - vendor, -technology (incl. WiFi), small cells and ultra-dense network scenarios  
Load balancing, (E2E) traffic steering, mobility management, reliability  
Interference and spectrum management  
Energy Saving Management (ESM) in heterogeneous networks  
SON for adaptive antenna systems and massive MIMO deployment  
SON in shared multi-operator environments  
SON in the context of 5G virtualized networks  
SON as a virtual network function (VNF)  
Self-management concepts and methods for network slicing in the mobile access and core - slice instantiation, configuration, operation and optimization  
Self-organization for slice orchestration

SON evolution - learning and data driven approaches  
Learning, prediction and model estimation for RAN management automation  
Big data SON concepts and solutions  
RAN management automation using geo-localized data  
Service-, application- and customer-aware SON  
Scenario- and application-specific SON, e.g., smart cities, industrial communication, telematics, disaster handling, vehicular-to-x communications  
SON management and coordination  
Intent and objective driven SON deployment, management and enforcement  
Coordination between network layers, vendors, technologies, RAN and backhaul  
Monitoring stability and performance of SON operation  
SON in the field

