



## 10<sup>th</sup> RAFNET: Workshop on Research Advancements in Future Networking Technologies



### General Co-chairs

- ❖ **Syed Hassan Ahmed Shah**  
JMA Wireless, USA.  
email: [sh.ahmed@ieee.org](mailto:sh.ahmed@ieee.org)
- ❖ **Safdar Hussain Bouk**  
Ajou University, South Korea.  
[s.h.bouk@ieee.org](mailto:s.h.bouk@ieee.org)

### Publicity Co Chairs

- ❖ **Al-Sakib Khan Pathan,**  
Independent University,  
Bangladesh.
- ❖ **Sahil Garg,**  
École de technologie supérieure,  
Université du Québec, Canada.
- ❖ **Zhiwei Yan,**  
China Internet Network  
Information Center, Beijing,  
China.
- ❖ **Ali Kashif Bashir,**  
Manchester Metropolitan  
University, UK.

### Important Dates

- ❖ Paper submission deadline:  
**January 20, 2022**
- ❖ Notification of acceptance:  
**March 06, 2022**
- ❖ Camera-ready papers:  
**March 15, 2022**

### Submission link

<https://edas.info/N28800>

### Webpage link

<https://rafnetworkshop.wixsite.com/icc2022>

### Scope

Recently, a lot of research efforts have been carried out by the researchers from academia and industry side to foster various new and emerging network paradigms. The main driving forces behind this paradigm shift are the research outcomes of the last few decades that has clearly portrayed that the current internet architecture was originally designed for end-to-end host-centric communications. However, the principal objective of the networks is to communicate the content itself. Subsequently, we have witnessed new architectures such as an Information-Centric Network (ICN) with various extensions like Content-Centric Networking (CCN), Named Data Networking (NDN), Data-Oriented Network Architecture (DONA), and so forth. On the other hand, numerous efforts in cellular networks have also been made for the improvement of the user experience and as a result, today, we are able to use LTE-A and other networks. In this context, the upcoming 5G networking architectures, whose ongoing research is focused on the networking mechanisms regarding the massive increase in the number of connected devices, bandwidth requirements, reduced latency, and the deployment of supporting operational mechanisms such as network virtualization, cloud-based deployments, mobile edge computing, and storage and new utilization scenarios. Moreover, these modern technologies are being applied in other networking domains as well, including VANETs, Smart Grid, Smart Cities, Internet of Things, Big Data, etc. IEEE RAFNET aims to bring together researchers working on selected areas of future internet architectures along with various implications, applications, such as smart cities, smart communities, smart automotive driving.

### Topics

We seek original completed and unpublished work not currently under review by any other journal/magazine/conference. Topics of interest include, but are not limited to:

- Information-Centric Networking (ICN) in the Internet of Things
- Networking Layer and Forwarding Strategies in ICN
- Interest/Data Forwarding in Content-Centric Networks
- Interest/Data Forwarding in Named Data Networks
- ICN Application Layer operations and Models for Testing/Evaluation
- Analysis of Content-Centric Networking in current network paradigms
- Analysis of Named Data Networking in current network paradigms
- Congestion Control Protocols in ICN for both Ad-hoc and wired networks
- Business perspective of applying ICN in Real-World Environment
- Future Internet in Vehicular Ad Hoc Networks
- Future Internet in Big Data
- Transport layer issues in Future Internet architectures
- Multimedia Applications and Feasibility with Future Internet architectures
- Future Internet in Smart Cities

### Paper Submission

The workshop accepts only novel, previously unpublished papers. The page length limit for all initial submissions for review is SIX (6) printed pages (10-point font) and must be written in English. All final submissions of accepted papers must be written in English with a maximum paper length of six (6) printed pages (10-point font) including figures. No more than one (1) additional printed page (10-point font) may be included in final submissions and the extra page (the 7th page) will incur an over length page charge of USD100. For more information, please see IEEE ICC 2022 official website: <https://icc2022.ieee-icc.org/authors>