



**IEEE**

**ECAI 2019 INTERNATIONAL CONFERENCE**  
**11<sup>th</sup> Edition Electronics, Computers and Artificial Intelligence**  
**27 June-29 June 2019**  
**Pitesti, ROMANIA**  
**Conference Record Number:#46879**



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**The 1<sup>st</sup> International Workshop on**  
**“Research Advancement in Forthcoming Networking and Communication**  
**Technologies (RAFNCT-2019)”**

*(in conjunction with ECAI-2019)*

**27-29 June 2019, Pitesti, Romania**

**URL of ECAI-2019: <http://ecai.ro/Special%20sessions.php>**

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**SCOPE:** Nowadays academia, business and industry, both are doing a lot of research efforts to promote various emerging network and communication paradigms. During the past decade, it has been observed that the current internet architecture was originally designed for end-to-end host based communications which was usually supported to the human only. Enormous efforts in cellular networks have been made for improving the user experience and in that we are able to use LTE-A and other networks. Also, the upcoming 5G networking architectures, whose ongoing research is focused on the networking mechanisms regarding the huge increase in the number of connected devices, bandwidth requirements, ultra low latency, ultra reliability. In addition to this the deployment of supporting operational mechanisms such as network virtualization, cloud-based deployments, mobile edge computing, and storage and new utilization scenarios are also the key segments of it. Moreover, these modern technologies are being applied in other networking domains as well, including VANETs, Smart Grid, Smart Cities, Internet of Things, Big Data, Blockchain, Machine Learning etc.

The goal of this workshop is to explore the development of new positioning strategies for wireless communication and networking technologies. Further, to investigate the new location-aware procedures to enhance the efficiency of communication networks. This workshop will bring together business, academic and industrial researchers to identify and discuss technical challenges and recent results related to the above said issues. **Topics of interest include, but are not limited to the following:**

- Data fusion for heterogeneous technologies
- Cooperative localization
- Opportunistic networks
- Intelligent Transportation System
- Situational Awareness
- Location-awareness for wireless networks
- Passive and active RFID
- Spectrum/Energy efficient deployment
- Sensor networks
- Localization methods for IoT, Big Data, Machine Learning and 5G
- Joint localization and communication
- Security and privacy in localization
- Mobility models for tracking
- Testbeds and experimentation
- Models, algorithms and protocols for 5G
- Blockchain for secure transaction management in 5G
- Secure Device-to-device communication
- Secure integration of IoT and Fog devices.

### **WORKSHOP ORGANIZERS:**

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**SUBMISSION LAST DATE:- 19<sup>th</sup> May, 2019**

**ACCEPTANCE NOTIFICATION:- 2<sup>nd</sup> June, 2019**

The authors must mention in the footnote if the paper was sent to this workshop according to the example below:

**“Research Advancement in Forthcoming Networking and Communication Technologies (RAFNCT-2019)” -in conjunction with ECAI-2019**

You can email your paper copy to any of the above mentioned email ids of organisers:  
[pradeep\\_84cs@yahoo.com](mailto:pradeep_84cs@yahoo.com), [z.polkowski@ujw.pl](mailto:z.polkowski@ujw.pl), [sudeep149@rediffmail.com](mailto:sudeep149@rediffmail.com),  
[s.tyagi@thapar.edu](mailto:s.tyagi@thapar.edu)

Please use the Subject Line “*ECAI-2019: RAFNCT-2019*”

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### **PUBLICATION:-**

THERE ARE TWO MODES OF PUBLICATIONS FOR AUTHORS FOR THIS WORKSHOP.

**CATEGORY- 1:** Author who wish to attend the ECAI Conference Workshop & Present the Paper during the ECAI-2019 Workshop, those papers will be published in IEEE Xplore by ECAI Committee.

**CATEGORY- 2:** Author who do not wish to attend the conference physically their accepted and presented papers of the workshop will be submitted for publication in **Advances in Intelligent Systems and Computing (AISC) Springer**

(<https://www.springer.com/series/11156>)

**Springer Book Entitled “Handbook of Wireless Sensor Networks: Issues and Challenges in Current Scenario” Indexed by Scopus.**

Edited by Prof. Marcin Paprzycki, Prof. Bharat K Bhargava, Dr. Pradeep Kumar Singh,  
Dr. Narottam Chand Kaushal, Dr. Wei-Chiang Hong.

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### **REGISTRATION FEE:-**

**CATEGORY- 1:** Author who wish to attend the ECAI-2019 Conference in Romania need to pay the Registration Fee as per the Conference Registration Details to ECAI Account.

ECAI Details of Payment Instructions:- <http://ecai.ro/Payment%20instruction.php>

**CATEGORY- 2:** USD 50. This fee will be charged by Independent third party for Editing and Proof Reading, Similarity Index Checking along with Misc. Charges for the manuscripts for the Edited Book. Information will be notified later whenever it required after the acceptance of manuscript for this edited volume of book.

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**FOR MORE INFORMATION PLEASE CONTACT TO THE ORGANISERS:-**

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