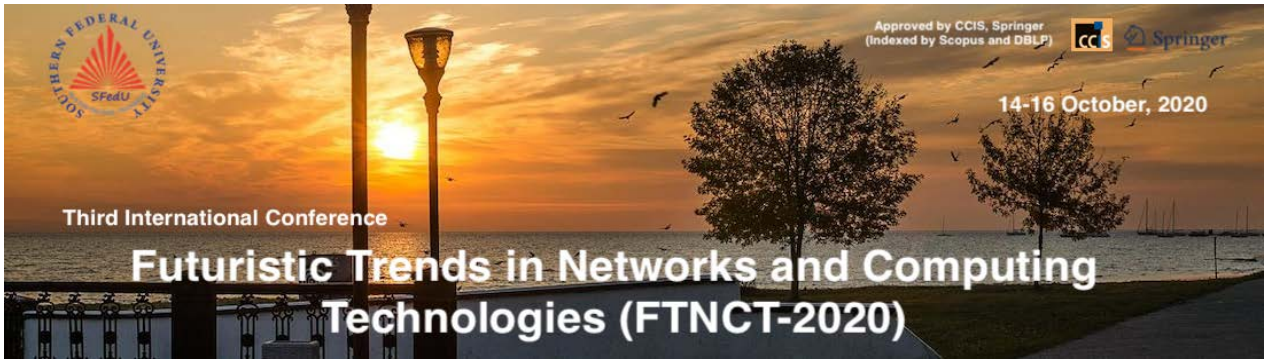


**FTNCT 2020**

# 3RD INTERNATIONAL INDO-RUSSIA CONFERENCE ON FUTURISTIC TRENDS IN NETWORKS, COMPUTING TECHNOLOGIES (APPROVED FROM CCIS, SPRINGER) SCOPUS & DBLP

**CONFERENCE WEBSITE:** http://www.ftnct.com/FTNCT-2020

## SPECIAL SESSION NUMBER: FTNCT 2020 SS01

## SPECIAL SESSION TITLE: "Recent Trends in Communication and Data Analyzing Techniques for IoT"

## SESSION CHAIRs:

**1. Dr. Rakesh Kumar Saini**
School of Computing, DIT University, Dehradun (Uttarakhand), India
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**2. Dr. Rohit Tanwar**
School of Computer Science, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India
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## OBJECTIVE OF SPECIAL SESSION:

Over the past decade, the Internet of Things (IoT) has become one of the most influential technologies in the fields of wireless communications and mobile computing. Originated from RFID and wireless sensor networks (WSNs), the paradigm of IoT has been transforming

every aspect of human life including healthcare, energy, transportation, and manufacturing. Recent predictions show that there will be more than 20 billion IoT devices by 2020. Since its very beginning, wireless communication has been focused on serving human-to-human interaction or human accessing information. Due to IoT, the scope of wireless communication becomes ubiquitous communication among all people and all devices, and the major challenge now becomes how to realize large-scale device-to-device (D2D) communication in an intelligent and energy efficient fashion. On the other hand, mobile computing is expected to be more pervasive and resource constrained than any time before. To facilitate IoT, there are tremendous innovation opportunities in different disciplines and perspectives. This session is seeking high-quality research articles as well as reviews about state-of-the-art technologies in wireless communications and mobile computing that contribute to the formation and advancement of IoT. Since power and cost constraints are major factors of IoT development, they will be the main focus of this special issue.

**Sub-Topics**

• Ubiquitous wireless sensor networks for healthcare
• Power-line communication for smart grid and home area networks
• Body area networks with Bluetooth and other low power communication techniques
• Intelligent IoT devices in handling Medical Emergencies
• Emerging techniques in ZigBee and low power Wifi
• Energy efficient networks in IoT systems
• Software-defined radios and cognitive radios for IoT
• Self-organizing network and SoN algorithm in IoT systems
• Energy-constrained wireless sensing techniques
• Compressed sensing for signal with sparse structure in IoT applications
• Low-Power Wide-Area Network (LPWAN) and Long Range Wide Area Network (LoRaWAN)
• 5G technologies and their application in IoT
• Machine Learning for Processing and Analysis of Healthcare data
• Cyber-physical system architecture
• Peer-to-peer device networking
• IoT traffic characterization
• Modeling of large-scale IoT
• Interoperability and integration of emerging standards with existing standards
• Machine learning algorithm for adaptive computing in IoT
• Security and privacy innovation for IoT applications

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**SUBMISSION LINK:** http://www.ftnct.com/FTNCT-2020/submission.php

**IMPORTANT DATES:**
**Abstract Submission Due: 20 June, 2020**
**Submission of Full Papers Deadline: 20 August, 2020**
**Acceptance: 15 September, 2020**

**Conference Date: 14th -16th October, 2020**

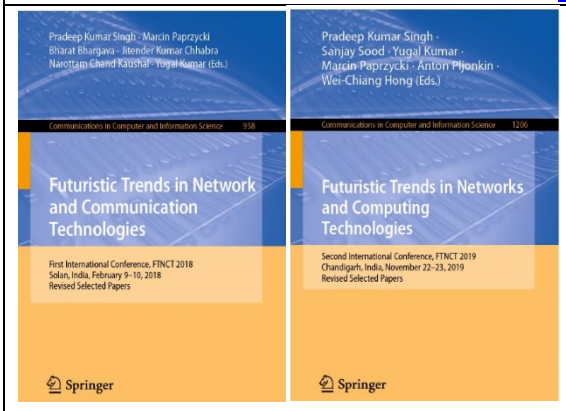
**REGISTRATION FEE FOR FIRST 100 SUBMISSIONS # (EARLY BIRD)**

| Category | Description | Research Scholar/ M.Tech./ B.Tech. (INR) | Faculty Members (INR) |
|---|---|---|---|
| I | ALL IITs, IIITs, IISC & ISI | 3000 ~~6000~~ | 4000 ~~7000~~ |
| II | ALL NITs/ NITTTR and Top 50 NIRF Institutions | 3500 ~~6000~~ | 4500 ~~7000~~ |
| III | All Universities and Colleges | 4000 ~~6500~~ | 5000 ~~7500~~ |

**AWARD FOR 5 BEST PAPERS. FULL REGISTRATION REFUND FOR 5 BEST PAPERS.**

**SUBMISSION LINK:** http://www.ftnct.com/FTNCT-2020/submission.php

**CONFERENCE WEBSITE:** http://www.ftnct.com/FTNCT-2020




**SILENT FEATURES:**

- SKYPE PRESENTATION ON REQUEST
- KEYNOTES FROM USA, EUROPE, RUSSIA, INDIA
- POSTERS WILL ALSO BE PUBLISHED MIN 4-6 PAGES
- DECISION WITHIN IN 4 WEEK
- EXTENDED PAPERS FOR MANY SCI/ SCIE/ SCOPUS JOURNALs

ftnct2018@gmail.com

**EXTENDED PAPERS (SPECIAL ISSUES):**

- Futuristic Trends and Innovations in Multimedia Systems Using Big Data, IoT and Cloud Technologies [1174], **Multimedia Tools and Applications**, Springer **( SCOPUS, SCI, IF= 2.0)**

  https://www.springer.com/journal/11042/updates/17551738

- Special Issue on Futuristic Technologies (FUTECH) for Sustainable Computing, **Sustainable Computing**, Elsevier ( **SCOPUS, SCIE, IF=1.18**)

  https://www.journals.elsevier.com/sustainable-computing-informatics-and-systems/call-for-papers/futuristic-technologies-futech-for-sustainable-computing

- Special Issue on Smart IoT and Fog/Edge Computing for Mobile Digital Healthcare: Recent Trends and Future Directions, **International Journal of E-Health and Medical Communications** (IJEHMC), IGI Global (**Indexed by SCOPUS, WEB OF SCIENCE**)

https://www.igi-global.com/calls-for-papers-special/international-journal-health-medical-communications/1158

- Special Issue on Futuristic Technologies for Intelligent Manufacturing and Supply Chain Management**, IET COLLABORATIVE INTELLIGENT MANUFACTURING**, Indexed by **SCOPUS** and **Ei Compendex.**

https://digital-library.theiet.org/files/IET_CIM_CFP_FTIMSCM.pdf

- Special Issue on Advanced Intelligent Technologies in Energy Forecasting and Economical Applications, Mathematical Problems in Engineering, Hindawi, Open Access, **SCOPUS, SCI Indexed, IF=1.17.**
  https://www.hindawi.com/journals/mpe/si/948763/