Call for papers

Futuristic Trends in Networks and Computing Technologies (FTNCT-2020)

14-16th October 2020, Southern Federal University, Taganrog (Russia)

About

In 2020 FTNCT will visit Taganrog, a port on the Sea of Azov in southern Russia famous as a birthplace of the outstanding Russian writer Anton Chekhov. The goal of the FTNCT is to explore the challenges, issues and opportunities both for academic researchers and industrial innovators from different domains of Networks, Computing and Communication Technologies to discuss the latest frontiers of technology and novel trends that have not been thought of before. Application areas include networking, computing, machine learning, data mining, wireless communications, big data, cloud computing, augmented reality, image processing, mobile and optical communications, cyber security. The target audience of FTNCT ranges from Senior researchers to Ph.D. and Master students. Researchers and engineers from companies are welcome and may greatly benefit from the broad vision provided by this conference.

Research papers from each track after the positive blind peer review by at-least two reviewers with good score will be selected for oral presentation during the conference. Selected papers after the further revision will be submitted to Publishing Partner.

FTNCT–2020 Organizing Committee keeps an eye on the situation with the spread of coronavirus. We guarantee that all accepted and registered papers will be published in accordance with the plan. In exceptional cases, if the situation in connection with the spread of coronavirus (speaker's disease, closing borders) won't allow some participants / speakers to attend the conference personally, we'll provide the possibility of video / remote presentations and the possibility of replacing the speakers.

http://www.ftnct.com/FTNCT–2020/

Conference Focus

- ### Network and Computing Technologies

Parallel & Distributed Networks, Social & Smart Networks, Software Defined Networks, Vehicular Ad-hoc Networks, Mobile Ad-hoc Networks, Body Area Networks, Opportunistic Networks, Cognitive Radio Networks, QoS in Networks, Networks related issues, design, architectures algorithms and applications.

Mobile & Ubiquitous Computing, Grid & Distributed Computing, Edge Computing, Fog Computing, Cloud & Big Data Technologies, Parallel Computing, Quantum Computing, Cognitive Computing and their applications and related topics.

Neural Networks, Machine learning, Artificial Intelligence Systems, Databases and Data Warehousing, Decision Support Systems, Data mining and knowledge management, Bio-inspired computing and its applications, Information Retrieval, Human computer interface and related topics.

- ### Wireless Networks and Internet of Things IoT

Wireless Sensor Networks, Design and Implementation Issues in WSN, Network Security and Attacks, Network Protocols and QoS, Node Clustering in WSN, Routing and Architectures in WSN, High Speed Wireless Networks and related topics

IoT Architectures & Protocols, IoT's impact on 5G, IoT enabling technologies, IoT services and applications, IoT & Big Data Management, and future internet design for various IoT use cases, Big Data, Cloud and IoT for Smart World:Smart City, Smart Transport, Smart Grid, Smart Healthcare, Education, HMS, DSS and Expert Systems for Smart World, E-Learning, Mobile learning and related topics.

- ### Futuristic Computing

Computational Intelligence, Advancement in AI and Machine Learning (ML) Technologies, Expert System & Decision Support Systems, Deep Learning Technologies, Nature- Inspired Computing, Natural Language Processing, Robotics, Computer Vision and Virtual Reality, Augmented Reality, Image Processing (IP) Applications, IP for Surveillance and Security Systems, Emerging Trends in ML and AI, Data Mining and Analytics, Pattern Recognition and Machine Vision, Web and Social Media Mining, Opinion Mining, Sentiment Analysis, Data Analysis for Smart World like Health-care, Education etc. and Emerging Technologies and its related topics.

- ### Communication Technologies, Security and Privacy

Communication Technologies, Mobile Communication, Optical Communications and Networking, Internet of Vehicles (IoV), Future Internet Architecture and Protocols, Green Communications, Internet of Everything (IOE), Digital Modulation and Signal Processing and their application, Coding and Information Theory, Speech/Image/Video Processing and its applications, Cloud and Swarm Robotics, Cyber Physical Systems, Security & Privacy in Computing Technologies, Security in IoT & Cloud, Cyber Security and Malware protection, Data Security and Disaster Recovery, Security in Mobile Networks, E-Governance, Security in E-Governance and related topics.

Visible light communication, Secured free space optics, optical stegonography.

Paper submission

Authors are invited to submit full papers in English of not more than 14 pages (including figures, tables & references) in Springer format. Submissions must present original work that has not been previously published, and is not under submission elsewhere. All articles will be reviewed for scientific quality by the Technical Program Committee and external reviewers. Submissions should use the general Springer template with the minimum font size of 10 points. All papers must include a title, complete contact information for all authors, and keywords on the cover page. The corresponding author should be identified clearly. Papers must be submitted electronically (in doc/docx/ PDF format) via on-line submission using the Easy Chair system at the following link: https://easychair.org/conferences/?conf=ftnct2020

Important dates

Preliminary registration (notification about participation) – 30th April 2020

Submission of Full Papers Deadline 15th July 2020

Notification of Acceptance Deadline 31th July 2020

Submission of Accepted Camera-Ready Papers Deadline 12th September 2020

Author's Registration Deadline 15th September 2020

Conference fees

General Delegates	250 USD
Students	150 USD
Industry participants	300 USD

Conference venue

Southern Federal University, Nekrasovsky str. 44, 347902, Taganrog, Russia

https://goo.gl/maps/dwidDSuJ2VYcrDuU8

 The history of the city goes back to late Bronze Age-early Iron Age when it was the earliest Greek settlement in the northwestern Black Sea Region. Taganrog was founded by Peter the Great on September 12, 1698. The first Russian Navy base, it hosted the Azov Flotilla of Catherine the Great (1770–1783), which subsequently became the Russian Black Sea Fleet.

The guests are attracted by a rich cultural life and plenty of unique monuments. The homeland of the great Russian writer became a place where interesting events dedicated to literature and history are constantly held. There are also great book fairs and festivals. The name of A. P. Chekhov became the real symbol of the city. A lot of attractions are dedicated to the writer. Streets, squares, museums and libraries are named after him. In the Park of Culture and Leisure, you can see the monument to the great poet. It is one of the most popular city attractions.

In Taganrog, there are a lot of interesting architectural monuments. Alferaki Palace is one of them. This luxurious palace in Greek style was built for one of the rich citizens in the middle of the 19th century. The other interesting place in Taganrog is the Art Museum opened in 1898. It is located in the small old building, which area does not let present its visitors the complete collection of art masterpieces. The museum collection includes over 7 000 pieces of art. Here, you can see the works of Levitan, Surikov, Aivazovsky, Korovin, Repin, and other famous Russian artists.

The symbolic attraction in the city is the House of Chekhov. It is a tiny house of the middle of the 19th century that is now buried in trees. This is a place where the great poet was born.

One of the most important attractions is the Church of St. Nicholas. It was built at the initiative of local sailors in the 18th century.

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