



The 1st International Workshop on Next Generation of Intelligent Systems (NGIS 2020) Program

Organized by University of Jeddah

The NGIS 2020 workshop will occur with the conference on Future Networks and Distributed Systems (ICFNDs) which is being held in St. Petersburg, Russia from 26th-27th November 2020. However, the NGIS will be conducted online on **Monday 30th November 2020**.

Via this link: shorturl.at/cpqGJ

NGIS 2020- Program schedule

Monday, November 30th 2020

10:00-10:05	Online Registration, starting the Workshop by Dr.Mashaël Khayyat
10:05-10:10	Opening & Welcome Message: Prof. Obaid Al-Modaf
10:10-10:25	Special keynote speaker: Dr. Mohamed Faten Zhani
10:25-10:30	Session1: Artificial Intelligent Session and Machine Learning Chair: Dr. Mohammed Alqarni
10:30-10:40	Taghreed Alghamdi, Samia Snoussi, Lobna Hsairi. Canny edge detection towards deep learning Arabic document classification.
10:40-10:50	Mashaël Khayyat, Raafat Munshi. SmartGate system: Automating the detection and control of COVID-19
10:50-10:55	Session2: Security and Privacy Session Chair: Prof. Omima Bamasag
10:55– 11:05	Atheer Alharthi, Alaa Eshmawi, Azzah Kabbas, Lobna Hsairi. Network Traffic Analysis For DDOS Attack Detection
11:05-11:15	WalaŌa Al-Ahmadi, Asia AljahdaliAn. Efficient And Secure Hiding Technique For Fingerprint Authentication Based On DNA Sequence
11:15-11:25	Nouf Aljadani. Tahani Gazdar. A New Distributed PKI For WSN-Based Application In Smart Grid

11:25-11:35	Ohoud Alboqomi, Tahani Gazdar, Asmaa Munshi. A New Blockchain-Based Trust Management Protocol For Vehicular Ad Hoc Networks
1:35-11:45	Manal Alruqi, Ohoud Alboqomi, Abeer Alqahtani, Maha Aljohani. An Experimental Study To Understand How Users Choose Password
11:45-11:55	Omnia Abdullah Alharbi, Asia Othman Aljhadli, Azizah Abdul Manaf. A Robust Double Layer Steganography Technique Based On DNA Sequence
11:55-12:05	Alaa Alsaeedi, Omaimah Bamasag, Asmaa Munshi. Real-Time DDoS flood Attack Monitoring and Detection (RT-AMD)
12:05-12:15	HMDAH, ALSOLAMI, Omaimah Bamasag, ASIA ALJAHDALI. Novel Access Control Security Model Based On Ciphertext Policy Attribute-Based Encryption for Smart Homes
12:15-12:25	Prayer break for 30 minutes
12:55-01:00	Session 3: Network Session Chair: Dr. Abdullah Aldarani
01:00-01:10	Ilya Grishin, Van Dai Pham, Darina Okuneva, Ruslan Kirichek and Lyudmila Myrova Applying Multidimensional Scaling Method to Determine Spatial Coordinates of WSN Nodes
01:10-01:20	Alexander Dagaev, Yuriy Borodyansky and Albina Pomogalova. Generation and Search For The Shortest Path In Two-dimensional Labyrinths As A Model For Optimizing Routing Processes In The Packet Switching Network
01:20-01:30	Van Dai Pham, Alina Zadorozhnaya, Anton Ovchinnikov and Ruslan Kirichek. A Hybrid Wireless Mesh Network for Sensor and Actuator Management in Smart Sustainable Cities
01:30-01:40	Sergey Vladimirov, Ruslan Kirichek and Vladimir Vishnevsky. Network Coding for the Interaction of Unmanned Flying Platforms in Data Acquisition Networks
01:40-01:50	Yulia Avakyan, Ekaterina Kuznetsova and Ruslan Kirichek. Methodology for testing LPWAN networks with mesh topology
01:50-02:00	Break
02:00	Announcement of the best paper and Conclusion by Dr.Maha Aljohani