Call for Participation

We invite you to join us in Zurich, Switzerland on November 23 ~ 24, 2019 for 11th International Conference on Applications of Graph Theory in Wireless Ad hoc Networks and Sensor Networks (GRAPH-HOC - 2019)

The Conference is a forum for presenting new advances and research results in the fields of Distributed extensions of centralized graph theoretic routing algorithms, Connectivity Analysis under Different Mobility Models, Data Gathering Algorithms and Protocols for Sensor Networks, Applications of Random Graph Theory in Ad Hoc Networks and Sensor Networks.

Highlights of GRAPH-HOC - 2019 include:

- Invited talk from eminent Professors
- Submission of 300 papers from North America to Australia and selection of only Quality papers
- 11th International Conference on Networks & Communications (NeTCoM-2019)
- 11th International Conference on Network and Communications Security (NCS-2019)
- 6th International Conference on Signal, Image Processing and Multimedia (SPM-2019)
- 6th International Conference on Computer Science, Engineering and Information Technology (CSEIT-2019)
- 11th International Conference on Wireless & Mobile Networks (WiMoNe-2019)
- International Conference on Internet of Things (CIoT 2019)
- International Conference on Machine Learning & Applications (CMLA 2019)

Registration Participants

Non-Author / Co-Author/ Simple Participants (no paper)

390 EURO (With proceedings)

Here's where you can reach us: graphhoc@cseit2019.org or graphhocconf@yahoo.com

Accepted Papers

A Hybrid Model for Evacuation Simulation and Efficiency Optimization in Large Complex Buildings

Hao Yuan, Guo Yu, Yifan Ma, Jieneng Chen, Xiongda Chen, Tongji University, China

Quality Model to the Adaptive Guidance

Hamid Khemissa¹ and Mourad Oussala², ¹Computer Systems Laboratory, Faculty of Electronics and Informatics, Computer Science Institute, USTHB: University of Science
Collaborative and Fast Decryption Using Fog Computing and A Hidden Access Policy

Ahmed Saidi¹, Omar Nouali² And Abdelouahab Amira³, ¹, ², ³Department Of Computer Security, Research Center For Scientific And Technical Information, Algiers, Algeria and ¹, ³Faculty Of Exact Sciences, Universite De Bejaia, 06000 Bejaia, Algeria

Upgrading Cloud Infrastructure – Challenges and Solutions

Andrei Petrescu and Mihai Carabas, University POLITEHNICA of Bucharest, Splaiul Independentei 313, Bucharest, Romania

Semantic Document Classification based on Strategies of Semantic Similarity Computation and Correlation Analysis

Shuo Yang¹, Ran Wei², Hengliang Tan¹ and Jiao Du¹, ¹School of Computer Science and Cyber Engineering Guangzhou University, Guangzhou, China and ²Department of Computer Science University of California, Irvine, California, USA

Automated Generation of Computer Graded Unit Testing-Based Programming Assessments for Education

Sébastien Combéfis¹,² and Guillaume de Moffarts², ¹ECAM Brussels Engineering School, Brussels, Belgium and ²Computer Science and IT in Education ASBL, Louvain-la-Neuve, Belgium

SFERANET: Automatic Generation of Football Highlights

Vincenzo Scotti, Licia Sbattella and Roberto Tedesco, DEIB, Politecnico di Milano, Milano, Italy

Automation Regression Testing for SAS.AM Website

Harutyun Berbery and Shahid Ali, Department of Information Technology, AGI Institute, Auckland, New Zealand

Secure and Privacy-aware Data Collection Architecture Approach in Fog Node Based Distributed IoT Environment

Moussa WITTI and Prof. Dimitri KONSTANTAS, Information Science Institute University of Geneva Route de Drize 7, 1227 Carouge, Switzerland

An Intelligent Mobile Application to Manage College Database and Recommendation Using Data Mining

Yixian Qi¹, Qi Lu², Yu Su³ and Fangyan Zhang⁴, ¹Valencia High School, Placentia, CA 92870, ²Department of Social Science, University of California, Irvine, Irvine, CA, 92697, ³Department of Computer Science, California State Polytechnic University, Pomona, CA, 91768 and ⁴ASML, San Jose, CA, 95131
TRIT: A Robust Tracker Based on Triplet Network

Peng Zou and Yunfei Cai, Department of Intelligent Science and Technology, Nanjing University of Science and Technology, Nanjing, China

Customized Garment Fashion Recommendation System Using Data Mining Techniques

Shukla Sharma$^{1,2,3}$, Ludovic Koeh$^{1,2}$, Pascal Bruniaux$^{1,2}$, Xianyi Zeng$^{1,2}$, $^1$Gemtex, $^2$Ensait, $^3$Ecole Centrale De Lille Lille, France

Abstractive text summarization using Transformer based deep learning

SXin Liu, Computer science and Technology, Beijing University of Posts and Telecommunications, Beijing, China

Toward A Framework to Implement A Master Data Management under SOA

Chafika Benkherourou, Computer Science Department, University of Batna 2, Batna, Algeria.

Cognitive Cities an Architectural Framework for the Cities of the Future

Cristiana Carvalho$^1$, Filipe Cabral Pinto$^1$, Isabel Borges$^1$, Gonçalo Machado$^2$ and Ilídio Oliveira$^1$Altice Labs, Aveiro, Portugal and $^2$Departamento de Eletrônica, Telecomunicações e Informática, University of Aveiro, Aveiro, Portugal.

Anomaly-based Intrusion Detection for Hyper Large Industrial IoT Networks

Mohammad Rmayti, Alexis Olivereau and Baptiste Polvé, CEA, LIST, Communicating Systems Lab, 91191 Gif-sur-Yvette CEDEX, France

Prediction and Causality Analysis of Churn Using Deep Learning

Muzaffar Shah, Darshan Adiga, Shabir Bhat and Viveka Vyeth, Datoin Bangalore, India

A Novel Machine Learning System for Sentiment Analysis and Extraction

Osama Mohammad Rababah and Nour Alokaily, Information Technology Department, The University of Jordan, Amman, Jordan

Fuzzy logic for E-recruitment

Abdessamad OUZNINI, Youssef FAKIR, Mohamed FAKIR, Bouzekri MOUSTAID, Department of computer Sciences Faculty of science and Technology, University Sultan Moulay Slimane, Beni Mellal, Morocco

A Comparison of Unsupervised Anomaly Detection Methods on a Unified Host and Network Dataset

Catherine Beazley$^1$, Karan Gadiya$^1$, Rakesh Ravi$^1$, David Roden$^1$, Boda Ye$^1$, Brendan Abraham$^2$, Donald Brown$^1$, Malathi Veeraraghavan$^3$, $^1$Data Science Institute, University of Virginia, Charlottesville, USA, $^2$Department of Systems and Information Engineering, University of Virginia, Charlottesville, USA and $^3$Department of Electrical and Computer Engineering, University of Virginia, Charlottesville, USA
An Artificial Neural Network Approach for the Classification of Human Lower Back Pain

Shubham Sharma and Rene V. Mayorga, Industrial Systems Engineering, University of Regina, Canada

Prediction of Workpiece Quality: An Application of Machine Learning in Manufacturing Industry

Günther Schuh, Paul Scholz, Sebastian Schorr, Durmus Harman, Matthias Möller, Jörg Heib, Dirk Bähre

Automated Music Making with Recurrent Neural Network

You Peng¹, Yao Pan², Qi Lu³, ¹Department of Computer Science California State Polytechnic University, Pomona, CA, 91768 ²LinkedIn Corporation Sunnyvale, CA 94085 and ³Department of Social Science University of California, Irvine, CA, 92697

In Hindsight: A Smooth Reward for Steady Exploration

Hadi Samer Jomaa and Josif Grabocka and Lars Schmidt-Thieme, Information Systems and Machine Learning Lab Universtiry of Hildesheim, Germany

Lifetime Extension of Ad Hoc Wireless Network with Shadowing Effects

Amir J. Majid; Ph.D, College of Engineering, University of Science and Technology of Fujairah, UAE.

Measurement and Characterization of the Stationary Noise in Narrowband Power Line Communication

Raja Alaya and Rabah Attia, Tunisian Polytechnic School, University of Carthage, Tunisia

Token Bucket-based Throughput Constraining in Cross-layer Schedulers

Jeremy Van den Eynde and Chris Blondia, University of Antwerp - imec, IDLab - Department of Mathematics and Computer Science, Sint-Pietersvliet 7, 2000 Antwerp, Belgium

SS EMS: A Smart and Secure Framework of Energy Management System

Jaspreet Kaur and Sumit Kalra, Department of Computer Science & Engineering Indian Institute of Technology Jodhpur Jodhpur, India

Methodology to Evaluate WSN Simulators: Focusing on Energy Consumption Awareness

Michel Bakni¹, Luis Manuel Moreno Chacon², Yudith Cardinale², Guillaume Terrasson¹, and Octavian Curea¹, ¹Univ. Bordeaux, ESTIA Institute of Technology, F-64210 Bidart, France and ²Universidad Simon Bolivar, Caracas, 1080-A, Venezuela
Motion estimation from noisy image sequences using new frequency weighting functions

El Mehdi Ismaili Alaoui, Laboratory of Computer Networks and Systems Faculty of Sciences, Moulay Ismail University Meknes-Morocco

Split Multi-stage Vector Quantization Based Steganography for Secure Wideband Speech Coder

Merouane BOUZID and Bakkar LASKAR, Electronics Faculty, University of Sciences and Technology Houari Boumediene(USTHB), Algeria

Segmentation of Single and Overlapping Leaves by Extracting Appropriate Contours

Rafflesia khan and Rameswar Debnath, Computer Science and Engineering Discipline, Khulna University, Khulna, Bangladesh

Lane Detection for Prototype Autonomous Vehicle

Sertap Kamçı, Dogukan Aksu and Muhammed Ali Aydin, Computer Engineering Department, Istanbul University-Cerrahpasa, Istanbul, Turkey

Nature-inspired Meta-heuristic Optimization Algorithms: Grey Wolf Optimization, Dolphin Swarm Optimization, And Bacterial Foraging Optimization

Büşra Rümeysa Mete, Dogukan Aksu and Emel Arslan, Computer Engineering Department, Istanbul University-Cerrahpasa, Istanbul, Turkey

Design a simple printed antenna with DGS structure for UWB/SWB applications

Tarek Messatfa, Fouad Chebbara, Abdelkarim Belhedri, and Abderrahim Annou, Department of Electronic and Telecommunications, Electrical Engineering Laboratory (LAGE), University of Kasdi Merbah Ouargla, Ouargla, Algeria

A Fair Electronic Voting System Using Blockchain

ChangHyun Roh and YongWoon Hwang and Im-Yeong Lee, SoonChunHyang University, Asan, Republic of Korea

Public-Key Based Authentication Architecture for IoT Devices Using PUF

Haji Akhundov1,Erik van der Sluis2,Said Hamdioui1and Mottaqiollah Taouil1, 1Delft University of Technology, Delft, The Netherlands and 2Intrinsic ID B.V., Eindhoven, The Netherlands

Securing Digital Signature Algorithm Against Side Channel Attacks

Mohamed. N. Hassan Ahmed1,S. Abo-Taleb2,Mohamed Shalaby3, 1University of Calgary, Calgary, Canada, 2Ain Shams university, Cairo, Egypt and 3Egyptian Armed Forces,Arab Academy for science Technology and Maritime Transport, Cairo, Egypt

Cognizance of data to action techniques for IoT environments

Pushpinder Kaur Chouhan, Md Israfil Biswas, Naveed Khan, Chris Nugent, and Philip Morrow, Ulster University, Jordanstown, UK
Security Framework for IoT Devices Against Cyber-attacks
Aliya Tabassum and Wadha Lebda, Department of Computer Science and Engineering, Qatar University, Doha, Qatar

Layman’s Understanding Approach to the Internet of Things (IoT) Concepts and Applications
Rajeev Kanth¹, Tuomas Korpi¹, Arto Toppinen¹, Kimmo Myllymäki¹, Jatin Chaudhary²,³, Jukka Heikkonen³, ¹Savonia University of Applied Sciences, Opistotie 2, 70150 Kuopio, Finland, ²University of Turku, Vesilinnantie 5, 20520 Turku, Finland and ³Sardar Vallabhbhai National Institute of Technology, Surat India

Hybrid Application Layer Protocol Design for IoT Environments
Erdal ÖZDOGAN¹, and O. Ayhan ERDEM², ¹Department of Information Systems, Gazi University, Ankara, Turkey and ²Department of Computer Engineering, Gazi University, Ankara, Turkey

Call for Participation: https://youtu.be/qcfMIUZmvg8