



Call for Participation

We invite you to join us in Zurich, Switzerland on November 23 ~ 24, 2019 for 11th International Conference on Network and Communications Security.

The Conference is a forum for presenting new advances and research results in the fields of Network and Communications Security in theoretical and practical aspects.

Highlights of NCS 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)
- 6th International Conference on Computer Science, Engineering and Information Technology (CSEIT 2019)
- 6th International Conference on Signal, Image Processing and Multimedia (SPM-2019)
- 11th International Conference on Wireless & Mobile Networks (WiMoNe-2019)
- 11th International Conference on Applications of Graph Theory in Wireless Ad hoc Networks and Sensor Networks (GRAPH-HOC-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 : ncs@cseit2019.org (or) ncs.conf@yahoo.com

Accepted Papers

Public-Key Based Authentication Architecture for IoT Devices Using PUF

Haji Akhundov¹, Erik van der Sluis², Said Hamdioui¹ and Mottaqiallah Taouil¹, ¹Delft University of Technology, Delft, The Netherlands and ²Intrinsic ID B.V., Eindhoven, The Netherlands

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 and Technology Houari Boumediene, Algiers; Algeria and ²Laboratoire des Sciences du Numérique de Nantes (LS2N), Faculty of sciences, Nantes University, France

Collaborative and Fast Decryption Using Fog Computing and A Hidden Access Policy

Ahmed Saidi¹, Omar Nouali² And Abdelouahab Amira³, ^{1, 2, 3}Department Of Computer Security, Research Center For Scientific And Technical Information, Algiers, Algeria and ^{1, 3}Faculty 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 Combéfis^{1,2} 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 Berberyan 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}, ¹Gemtex, ²Ensait, ³Ecole 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 Carvalho¹, Filipe Cabral Pinto¹, Isabel Borges¹, Gonçalo Machado² and Ilídio Oliveira ¹Altice Labs, Aveiro, Portugal and ²Departamento de Eletrónica, 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 Beazley¹, Karan Gadiya¹, Rakesh Ravi¹, David Roden¹, Boda Ye¹, Brendan Abraham², Donald Brown¹, Malathi Veeraraghavan³, ¹Data Science Institute, University of Virginia, Charlottesville, USA, ²Department of Systems and Information Engineering, University of Virginia, Charlottesville, USA and ³Department 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

Büsra Rümeyssa 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

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 Chaudhary^{2,3}, 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 ÖZDOĞAN¹, 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>