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<th>Sunday, March 30</th>
<th>9:00 AM</th>
<th>Tutorial 1: Optimization, Privacy and Security in Microgrids</th>
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<td>Monday, March 31</td>
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<td>Attendees Reception</td>
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<td>Tuesday, April 1</td>
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<td>Fundamental Techniques</td>
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<td>Business Process Applications and Social networks security</td>
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<td>Wednesday, April 2</td>
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Sunay, March 30

9:00 AM - 10:30 AM
Tutorial 1: Optimization, Privacy and Security in Microgrids

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 12:30 PM
Tutorial 1: Optimization, Privacy and Security in Microgrids

12:30 PM - 2:00 PM
Lunch

2:00 PM - 3:30 PM
Tutorial 2: Cloud of Secure Elements (CoSE), concepts and applications for NFC services and Cloud Security

3:30 PM - 4:00 PM
Coffee Break

4:00 PM - 5:30 PM
Tutorial 2: Cloud of Secure Elements (CoSE), concepts and applications for NFC services and Cloud Security
Monday, March 31

9:00 AM - 9:30 AM
Opening Session

9:30 AM - 10:30 AM
Keynote 1: Cognitive Cars and Smart Roads- Applications, Challenges and Solution

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 12:30 PM
LTE/WiFi

Power-Aware ON/OFF Switching Strategies of eNodeB for Green LTE Networks
Tallal Elshabrawy (The German University in Cairo, Egypt); Ramy Mourad (Mr., Egypt)

Cloudifying the 3GPP IP Multimedia Subsystem: Why and How?
Roch Glitho (Concordia University, Canada)

A Cross-layer Based Packet Scheduling Scheme for Multimedia Traffic in Satellite LTE Networks
Gbolahan R Aiyetoro (University of KwaZulu-Natal, South Africa); Fambirai Takawira (University of the Witwatersrand, South Africa)

Measurement Based Call Admission Control (CAC) to improve QoS for IEEE 802.11e WLAN
Arshad Hussain (National University of Computer and Emerging Sciences, Pakistan); Najeeb Ul Hassan (Dresden University of Technology, Germany); Farah Nadeem (National University of Computer and Emerging Sciences, Pakistan)

Cloud Computing & Information Centric Networking

On the Tradeoff between Performance and User Privacy in Information Centric Networking
Giulia Mauri (Politecnico di Milano, Italy); Giacomo Verticale (Politecnico di Milano, Italy)

A New Business Model and Architecture for Context-Aware Applications Provisioning in the Cloud
Nadjia Kara (École de Technologie Supérieure, Canada); May El Barachi (Zayed University, UAE); Abderrahmane El Bardai (École de Technologie Superieure, Canada); Omar Alfandi (University of Goettingen, Germany)

New Pricing Policies for Federated Cloud
Bassem El Zant (Telecom ParisTech (École Nationale Superieure des Telecommunications), France); Maurice Gagnaire (Telecom ParisTech (École Nationale Superieure des Telecommunications) & Institut Telecom, France)
Communication Architecture for a P2P-enhanced Virtual Environment Client in a Web Browser
Timo Koskela (University of Oulu, Finland); Jarkko Vatjus-Anttila (Center for Internet Excellence, Finland); Toni Dahl (University of Oulu, Finland)

Cloud Security
A factorial space for a system-based detection of botcloud activity
Badis Hammi (Université de Technologie de Troyes, France); Rida Khatoun (University of Technology of Troyes, France); Guillaume Doyen (Troyes University of Technology, France)

A Secure Client Side Deduplication Scheme in Cloud Storage Environments
Nesrine Kaaniche (Institut Mines Telecom, France); Maryline Laurent (Institut Mines-Télécom, Télécom SudParis, France)

Towards Scalability for Federated Identity Systems for Cloud-Based Environments
Andre Pereira (Federal University of Santa Catarina & PPGCC - Computer Science Program, Brazil); João Bosco Sobral (Federal University of Santa Catarina, Brazil); Carla Merkle Westphall (Federal University of Santa Catarina, Brazil)

Claudio A. Ardagna, Ernesto Damiani, Rasool Asal, Quang Hieu Vu

12:30 PM - 2:00 PM
Lunch

2:00 PM - 3:30 PM
Broadcast/Interworking

Probabilistic Breadth-First Search -- A Method for Evaluation of Network-Wide Broadcast Protocols
Björn Lichtblau (Humboldt University Berlin, Germany); Andreas Dittrich (University of Lugano, Switzerland)

Selective Network Coding For Reliable Wireless Broadcast
Mohammed D Halloush (Yarmouk University, Jordan)

A Layer 2 Wire-Wireless Interworking Model to Achieve Throughput Improvement
Soma Pande (Pan India Utilities Distribution Company Ltd. & Coventry University, India); Vijay Pande (Essel Adi Smart Grid Solutions Limited, India)

Privacy and Anonymity

Group-Based Characterisation for the I2P Anonymous File-Sharing Environment
Juan Pablo Timpanaro (Universite de Lorraine & INRIA/LORIA, France); Isabelle Chrisment (Loria, Université Henri Poincaré, Nancy 1, France); Olivier Festor (INRIA Nancy - Grand Est, France)

Privacy-Preserving Digital Rights Management based on Attribute-based Encryption
Ronald Petric (University of Paderborn, Germany); Christoph Sorge (University of Paderborn, Germany)
End to End mechanism to protect SIP from signaling attacks
Khaled Dassouki (Telecom SudParis, Lebanon); Herve Debar (Télécom SudParis & Institut Télécom, France); Haidar Safa (American University of Beirut, Lebanon); Abbas Hijazi (Lebanese University, Lebanon)

Privacy-Preserving Medical Reports Publishing for Cluster Analysis (invited)
Benjamin C. M. Fung, Ali K. Hmood, Farkhund Iqbal,

3:30 PM - 4:00 PM
Coffee Break

4:00 PM - 6:00 PM
VANET
A New Simulation Model Based on EESM for VANETs
Jianwei Zhang (XiaMen University, P.R. China); Chaoxian Zhang (Xiamen University, P.R. China); Weikai Xu (Xiamen University, P.R. China); Lin Wang (Xiamen University, P.R. China)

VANET Inherent Capacity for Offloading Wireless Cellular Infrastructure: An Analytical Study
Ghayet el mouna Zhioua (Telecom ParisTech - FRANCE, France); Houda Labiod (TELECOM ParisTech (ex: ENST), France); Nabil Tabbane (Sup'com, Tunisia); Sami Tabbane (Ecole Superieure des Communications de Tunis, Tunisia)

Study of Connectivity in a Vehicular Ad hoc Network with Random Node Speed Distribution
Sepehr Keykhaie (Chehelsotoun Institute of Higher Education, Iran); Arman Mahmoudifar (Chehelsotoun Institute of Higher Education, Iran)

TAR Channel Access Mechanism: A study of a highway ramp car merge case
Ines Khoufi (INRIA, France); Anis Laouiti (TELECOM SudParis, France); Bachar Wehbi (Montimage, France)

IRTIV: Intelligent Routing protocol using real time Traffic Information in urban Vehicular environment
Omar Sami Oubbati (University of Laghouat, Algeria); Nasreddine Lagraa (Amar Thelidji University, Laghouat & LIM Laboratory, Algeria); Abderrahmane Lakas (UAEU, UAE); Mohamed Bachir Yagoubi (University of Laghouat, Algeria)

Internet-of-Things, Virtualization & Network Management
Towards a Data Semantics Management System for Internet Traffic
Bassem Mokhtar (Virginia Tech, USA); Mohamed Eltoweissy (Virginia Military Institute & Virginia Tech, USA)

The Internet of Military Things (Invited Paper)
Badis Djamaa (Cranfield University, United Kingdom); Ian Owens (Cranfield University & Cranfield Defence & Security, United Kingdom)

Hardware Design of an Embedded Real-Time Acoustic Source Location Detector
Cagin Turkoglu (Kocaeli University & Pars Ar-Ge, Turkey); Serhat Cagdas (Kocaeli University, Turkey); Anıl Çelebi (University of Kocaeli, Turkey); Sarp Ertürk (Kocaeli University, Turkey)

**Efficient Home Energy Management System**
Nabih Jaber (Lawrence Technological University, USA)

**Mechanism of Reducing Signaling Processing Load in EPC/IMS using Service-Specific Network Virtualization**
Manabu Ito (National Institute of Information and Communications Technology, Japan); Kiyohide Nakauchi (National Institute of Information and Communications Technology, Japan); Yozo Shoji (National Institute of Information and Communications Technology, Japan); Yoshinori Kitatsuji (KDDI R&D Laboratories Inc., Japan)

**Forensics and Cryptography**

**Secure and Scalable Aggregation in the Smart Grid**
Tassos Dimitriou (Computer Technology Institute, Greece and Kuwait University, Kuwait, Greece)

**An Approach for the Validation of File Recovery Functions in Digital Forensics’ Software Tools**
Sultan Al Sharif (AD Police, UAE); Farkhund Iqbal (Zayed University, UAE); Omar Alfandi (University of Goettingen, Germany); May El Barachi (Zayed University, UAE); Mohamed Al Ali (International Petroleum Investment Company, UAE); Nasser Salem (AD Police, UAE)

**A Comparison of Forensic Acquisition Techniques for Android Devices: A case study investigation of Orweb browsing sessions**
Nedaa Al Barghouthi (University of Sharjah & Zayed University, UAE); Andrew Marrington (Zayed University, UAE)

**Implementing IPsec in Wireless Sensor Networks**
Prabhakar Varadarajan (Southern Illinois University Carbondale, USA); Garth V Crosby (Southern Illinois University Carbondale, USA)

**Multidimensional Diversity Employment for Software Behavior Encryption**
Mohamed Azab (The City of Scientific Research & Technology Applications & Virginia Tech, Egypt); Mona Salah (The City of Scientific Research & Technology Applications, Egypt)

**6:00 PM - 7:00 PM**
**Attendees Reception**
Tuesday, April 1

9:00 AM - 10:30 AM

**Fundamental Techniques**

*On Performance of SISO Nanonetworks-based Molecular Communications*
Saied M. Abd El-atty (Menoufia University-Faculty of Electronic Engineering & Salman Bin Abdulaziz University, Egypt); Z Gharsseldien (Arts and Science College, Salman Bin Abdulaziz University, Saudi Arabia); Konstantinos Lizos (Department of Informatics, Faculty of Mathematics and Natural Sciences, University of Oslo, Norway)

*Impulsive Noise Mitigation in a MIMO-OFDM Communication System*
Ali Hakam (UAE University, UAE); Noha Abou Aly (Khalifa University, UAE); Shihab Jimaa (Khalifa University, UAE)

*Partial Constrained Group Decoding: A New Interference Mitigation Technique for The Next Generation Networks*
Omar Ali Abu-Ella (Misurata University, USA)

*Robust DOA Estimation Using a 2D Novel Smart Antenna Array*
Ali Hakam (UAE University, UAE); Raed Shubair (Khalifa University, UAE); Ehab Salahat (Khalifa University, UAE); Ammar AlJadir (Khalifa University, UAE)

**Wireless Sensor Networks 1**

*Multipath Routing for High-Data Rate Applications in ZigBee Wireless Sensor Networks*
Bidai Zahia (Oran University, Algeria)

*Checkpoint-based Fault-tolerance for LEACH Protocol*
Mohamed Lehsaini (University of Tlemcen, Algeria); Herve Guyennet (University de Franche Comté, France)

*Handoff Algorithms for Industrial Mobile Wireless Sensor Networks*
Zinon Zinonos (University of Cyprus, Cyprus); Vasos Vassiliou (University of Cyprus, Cyprus)

*Transmission Power Control Based on Packet Reception Rate*
Maciej Nikodem (Wrocław University of Technology, Poland); Mariusz Slabicki (Wrocław University of Technology, Poland); Tomasz Surmacz (Wrocław University of Technology, Poland); Bartosz Wojciechowski (Wrocław University of Technology, Poland)

**Security Assurance and Assessment**

*Specification and Enforcement of Dynamic Authorization Policies oriented by Situations*
Bashar Kabbani (University of Paul Sabatier & IRIT, France); Romain Laborde (Université Paul Sabatier, France); François Barrère (Université Paul Sabatier, France); Abdelmalek Benzekri (Université Paul Sabatier, France)

*Trusted Platform Module for Smart Cards*
Raja Naeem Akram (University of Waikato, New Zealand); Konstantinos Markantonakis (Royal Holloway, University of London, United Kingdom); Keith Mayes (Royal Holloway, University of London,
A reasoning system for composition verification and security validation
George Hatzivasilis (Technical University of Crete, Greece); Ioannis Papaefstathiou (Technical University of Crete, Greece); Charalampos Manifavas (Technological Educational Institute of Crete, Greece); Nikos Papadakis (Technological Educational Institute of Crete, Greece)

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 12:30 PM
Ad/Hoc and Mesh Networking
Wimesh: A Tool for the Performance Evaluation of Multi-Radio Wireless Mesh Networks
Stefano Avallone (University “Federico II” of Naples, Italy), Giovanni Di Stasi (University “Federico II” of Naples, Italy)

Cooperation Metric for IEEE 802.11 Wireless Networks
Rasool Sadeghi (University of Aveiro, Portugal), João Paulo Barraca (University of Aveiro, Portugal), Rui L. Aguiar (University of Aveiro, Portugal)

Multimedia Support in Wireless Mesh Networks using Interval Type-2 Fuzzy Logic System
Ali El Masri (University of Reims Champagne-Ardenne, France); Ahmad Sardouk (SARL MobiNets, France); Lyes Khoukhi (University of Technology of Troyes, France); Leila Merghem-Boulahia (UTT, France); Dominique Gaïti (University of Technology of Troyes, France)

Node Spatial Correlation aware Routing Metrics for User-Centric Environments
Namusale Chama (SITI, University Lusofona, Portugal); Rute C. Sofia (COPELABS, University Lusofona, Portugal); Susana Sargento (Instituto de Telecomunicações, Universidade de Aveiro, Portugal)

Wireless Sensor Networks 2
A Distributed Joint Channel and Time Slot Assignment for Convergecast in Wireless Sensor Networks
Ridha Soua (INRIA, France); Pascale Minet (INRIA, France); Erwan Livolant (INRIA, France)

HRTC: A Hybrid Algorithm for Efficient Congestion Control in Wireless Sensor Networks
Charalambos Sergiou (University of Cyprus, Cyprus); Vasos Vassiliou (University of Cyprus, Cyprus)

Lightweight Balanced Power Saving MAC Protocol for Wireless Sensor Networks
Hanen Idoudi (ENSI- University of Manouba, Tunisia)

IR-UWB Radio Architecture for Wireless Sensors Network based on Pilot Signal Assisted MAC
Kamran Ayub (Riga Technical University Latvia & New York University, Latvia)

Business Process Applications and Social networks security
Compliance of the Facebook Data Use Policy with the principles of ISO 29100:2011
Alexandra Michota (University of Piraeus, Greece); Sokratis Katsikas (University of Piraeus, Greece)

A Self-disclosure Framework for Social Mobile Applications
Amr Ali-Eldin (Mansoura University & Faculty of Engineering, Egypt); Jan van den Berg (Delft University of Technology / Policy and Management, The Netherlands)

Insider Threat: Enhancing BPM through Social Media (invited paper)
Dimitris Gritzalis, Vasilis Stavrou, Miltiadis Kandias, George Stergiopoulos

12:30 PM - 2:00 PM
Lunch

2:00 PM - 3:00 PM
Keynote 2: Robust Green and Ad Hoc Networks

3:00 PM - 3:30 PM
Coffee Break

3:30 PM - 5:30 PM
Vehicular Applications

A MAC Scheme-based Cooperative Codes for Vehicular Connectivity in AHVN
Saied M. Abd El-atty (Menoufia University-Faculty of Electronic Engineering & Salman Bin Abdulaziz University, Egypt)

The Impact of Redundancy on DSRC Safety Application Reliability under Different Data Rates
Ahmed Serageldin (University of Idaho, USA); Axel Krings (University of Idaho, USA)

Aerial Mast vs Aerial Bridge Autonomous UAV Relay: A Simulation-Based Comparison
Chahine Ben Moussa (École de Technologie Supérieure, Canada)

Design and Implementation of a sustainable Wireless BAN Platform for Remote Monitoring of Workers Health Care in Harsh Environments
Karel Heurtefeux (Qatar Mobility Innovation Center, Qatar), Elyes Ben Hamida (Qatar Mobility Innovation Center, Qatar), Hamid Menouar (Qatar Mobility Innovation Center, Qatar)

3:30 PM - 5:15 PM
Intrusion and Malware Detection

Inferring Malware Family through Application Protocol Sequences Signature
Nour-Eddine Lakhdari (Concordia University, Canada); Amine Boukhtouta (Concordia University, Canada); Mourad Debbabi (Concordia University, Montreal, Canada)

An Efficient Network Log Anomaly Detection System using Random Projection Dimensionality Reduction
Antti Juvonen (University of Jyväskylä, Finland); Timo Hämäläinen (University of Jyväskylä, Finland)
Fingerprinting Internet DNS Amplification DDoS Activities
Claude Fachkha (National Cyber-Forensics and Training Alliance Canada & Concordia University, Canada); Elias Bou-Harb (National Cyber-Forensics and Training Alliance & Concordia University, Canada); Mourad Debbabi (Concordia University, Montreal, Canada)

Characterization of Malicious Payload Distribution Channels in DNS
Hamad Binsalleeh (Concordia University, Canada); A. Mert Kara (Concordia University, Canada); Amr Youssef (Concordia University, Canada); Mourad Debbabi (Concordia University, Montreal, Canada)

7:00 PM - 11:00 PM
Banquet
Wednesday, April 2

9:00 AM - 10:30 AM
Smartcity 1

*Fall Detection Systems for Elderly Care: A Survey*
Omar Mohamed (Khalifa University, UAE); Ho-Jin Choi (Korea Advanced Institute of Science and Technology (KAIST), Korea); Youssef Iraqi (Khalifa University, UAE)

*Transmission Delay Minimization for Energy Constrained Communication in Wireless Body Area Sensor Networks*
Alaa Awad Abdelhady (Qatar University, Qatar); Medhat Hamdy (Qatar University, Qatar); Amr Mohamed (Qatar University & Qatar University Wireless Innovations Center, Qatar)

*Opportunities and Challenges of Using UAVs for Dubai Smart City*
Farhan Mohammed (UAEG University, UAE); Ahmed Idries (UAEG University, UAE); Nader Mohamed (UAEG, UAE); Jameela Al-Jaroodi (University of Pittsburgh, USA)

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 12:30 PM
Smartcity 2

*Utilizing M2M technologies for Building Reliable Smart Cities*
Andreea Ancuta Corici (Fraunhofer FOKUS Institute, Germany); Asma Elmangoush (Technical University Berlin & Fraunhofer FOKUS Institute, Germany); Ronald Steinke (Fraunhofer FOKUS, Germany); Thomas Magedanz (TU Berlin / Fraunhofer FOKUS, Germany); Joyce Mwangama (University of Cape Town, South Africa); Neco Ventura (University of Cape Town, South Africa)

*Distributed Semantic Discovery for Web-of-Things Enabled Smart Buildings*
Gérôme Bovet (Telecom ParisTech, France); Jean Hennebert (University of Fribourg, Switzerland)

*Analyzing Metropolitan-area Networking within Public Transportation Systems for Smart City Applications*
Torsten Zimmermann (RWTH Aachen University, Germany); Hanno Wirtz (RWTH Aachen University, Germany); Oscar Puñal (RWTH Aachen University, Germany); Klaus Wehrle (RWTH Aachen University, Germany)

*Virtual Traffic Signals by Cooperation among Vehicle-Mounted Mobile Computers*
Hiroaki Higaki (Tokyo Denki University, Japan); Keisuke Abe (Tokyo Denki University, Japan)

12:30 PM - 1:00 PM
Closure

1:00 PM - 2:00 PM
Lunch