Monday, October 9

WORKSHOP ONLY

08:30 - 13:00
Registration

VENETO	BARBERINI	TREVI	SISTINA
09:00 - 10:30 **S1**	09:00 - 10:30 **S2**	09:00 - 10:30 **N1**	09:00 - 10:30 **S3**
	10:30 - 11:00 **Coffee Break**		
11:00 - 12:30	11:00 - 12:30 **S5**	11:00 - 12:30 **P1**	11:00 - 12:30 **C1**
	12:45 - 14:00 **Lunch**		
14:00 - 15:30 **E1**	14:00 - 15:30 **H1(3)**	14:00 - 15:30 **N2(3)+P2(1)**	14:00 - 15:30 **C2**
	15:30 - 16:00 **Coffee Break**		
16:00 - 17:30 **E2(2)+H2(2)**	16:00 - 17:30	16:00 - 17:30 **S6**	16:00 - 17:30 **C3(3)+S4(2)**

19:00
Welcome Cocktail

When not indicated between brackets it is 4 papers. i.e., M1 = 4 papers of WiMob WNMN or G(3) = 3 papers of GSCN or 3W 3 papers of WC

Legend:
> Workshops: E: EN4PPDER – H: eHPWAS – N: SEUNet – S: STWiMob – C: CWN – P: PerCAM
> Main Conference: U: WiMob UCSA track – W: WiMob WC track – M: WiMob WNMN track –
>   G: WiMob GSCN track – Se: WiMob SWMN track
> Rooms for sessions: VENETO, BARBERINI, TREVI, SISTINA
> General Session Keynote Talks: VENETO

Monday, October 9

09:00 – 10:30

Room: TREVI

N1: SEUNet 2017 S1

Strengthening Access Control in case of Compromised Accounts in Smart Home
Annanda Thavymony Rath and Jean-Noel Colin (University of Namur, Belgium)

Definition and Validation of an Energy Savings Process for Computers Based on User Behaviors and Profiles
Miguel Jimeno (Universidad del Norte & IEEE, Colombia); Martin Diaz-Mora and Martin Diaz-Rodriguez (Universidad del Norte, Colombia)

Design and implementation of a low cost modular sensor
Augusto Ciuffoletti (University of Pisa, Italy)

Robust Estimation for Wireless Localization in Macro-cellular Smart Urban Environments
Tan-Jan Ho and Chun-Chieh Yang (Chung-Yuan Christian University, Taiwan)

Room: VENETO

S1: STWiMob 2017: Wireless Communications 1

A Small Cell Approach to Optimizing the Coverage of MTC Systems with Massive MIMO and Random Access Using Stochastic Geometry
Rasha Al-Khansa, Jean Saade and Hassan A. Artail (American University of Beirut, Lebanon); Mohamad Assaad (CentraleSupelec, France)

Energy-Efficient Cooperative Spectrum Sensing with a Merged Clustering Measure
Adrian Kliks, Krzysztof Cichoń and Hanna Bogucka (Poznan University of Technology, Poland)

Evaluation of the Toroidal Cellular Simulation Structure Under Users' Mobility, Time-Varying Traffic, and Dynamic Channel Assignment
S. Lirio Castellanos-Lopez (UAM, Mexico); Daniela Toral-Valdez (UAM-Azcapotzalco, Mexico); Felipe A. Cruz-Pérez (Cinvestav-IPN, Mexico); Genaro Hernandez-Valdez (UAM-A, Mexico)

FFR-aided OFDMA-based Networks under Spatially Correlated Shadowing
Jan Garcia-Morales, Guillem Femenias and Felip Riera-Palou (University of the Balearic Islands, Spain)

Room: BARBERINI

S2: STWiMob 2017: Ad Hoc Networks

A Challenge based Scheme for Detecting the Sybil Attack in Wireless Ad hoc Networks
Abderrahmane Baabdache (University A. Mira of Bejaia, Algeria)

Adaptive Distributed Energy-Saving Data Gathering Technique for Wireless Sensor Networks
Ali Idrees (University of Babylon, Iraq); Hassan Harb (American University of Culture and Education, Lebanon); Ali Jaber (Lebanese University, Lebanon); Oussama Zahwe and Mohamad Abou Taam (AUCE, Lebanon)

Completely Independent Spanning Trees for enhancing the robustness in ad-hoc Networks
Axel Moinet and Benoit Darties (Université de Bourgogne, France); Nicolas Gastineau (Université Paris Dauphine, France); Jean-Luc Baril (Université de Bourgogne, France); Olivier Togni (University of Burgundy, France)

Reducing the Data Transmission in Sensor Networks through Kruskal-Wallis Model
Ali Jaber (Lebanese University, Lebanon); Mohamad Abou Taam (AUCE, Lebanon); Abdallah Makhoul (University of Franche-Comté & FEMTO-ST, France); Chady Abou Jaoude (TICKET Lab., Antonine University -

Hadat-Baabda, Lebanon); Oussama Zahwe (AUCE, Lebanon); Hassan Harb (American University of Culture and Education, Lebanon)

Room: SISTINA
S3: STWiMob 2017: Physical Layer

Stealthy Jammer Detection Algorithm for Wide-band Radios: A Physical Layer Approach
> Tassadaq Nawaz (University of Genova, Italy); Lucio Marcenaro (Università degli Studi di Genova, Italy); Carlo S Regazzoni (University of Genoa, Italy)

Outage Probability of MIMO Cognitive Cooperative Radio Networks with Multiple AF Relays Using Orthogonal Space-Time Block Codes
> Adviata Advaita, Mani Meghala Gali, Thi My Chinh Chu and Hans-Juergen Zepernick (Blekinge Institute of Technology, Sweden)

Time Diversity in Multipath Channels for Cellular IoT Theoretical and Simulation Analysis
> Louis-Adrien Dufrene (INSA de Rennes, France); Matthieu Crussière (IETR - Electronics and Telecommunications Research Institute of Rennes (IETR) & INSA - National Institute of Applied Sciences, France); Jean-François Hélard (IETR, France); Jean Schwoerer (Orange Labs, France)

A Hybrid Transmission Scheme Employing Opportunistic Transmission and Multiuser Diversity
> Nathaly Orozco and Henry Carvajal (State University of Campinas - UNICAMP, Brazil); Celso Almeida (Unicamp, Brazil)

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11:00 – 12:30

Room: SISTINA
C1: Cooperative Wireless Networks

Superposition Coding in Alternate DF Relaying Systems with Inter-Relay Interference Cancellation
> Rashed Alsakarnah and Jacek Ilow (Dalhousie University, Canada)

Analytical optimization of irregular CoMP-based MIMO-OFDMA networks with frequency reuse
> Javier Pastor-Pérez, Felip Riera-Palou and Guillem Femenias (University of the Balearic Islands, Spain)

Transmit antenna selection in OFDM relay system as a solution for energy efficiency improvement
> Enis Kocan (University of Montenegro, Montenegro); Milica Pejanovic-Djurisic (University of Montenegro & Centre for Telecommunications, Montenegro)

Reliable Multipath Multi-channel Route Migration over Multi Link-Failure in Wireless Ad Hoc Networks
> Nawaf Mirza (Heriot-Watt University, United Kingdom (Great Britain)); Peter King (Heriot Watt University at Edinburgh UK, United Kingdom (Great Britain)); Imed Romdhani (Edinburgh Napier University, United Kingdom (Great Britain)); Mohamed Abdelshafy (Heriot-Watt University, United Kingdom (Great Britain)); Atif A. Alghamdi (Heriot Watt University - Edinburgh, United Kingdom (Great Britain))

Room: TREVI
P1: PerCAM1

Efficacy of Mobile Context-aware Notification Management Systems: A Systematic Literature Review and Meta-Analysis
> Florian Künzler (ETH Zürich, Switzerland); Jan-Niklas Kramer and Tobias Kowatsch (University of St. Gallen, Switzerland)

Blockchain-based Payment Collection Supervision System using Pervasive Bitcoin Digital Wallet
> Po-Wei Chen (Peking University, P.R. China); Chia-Hui Wang (Ming-Chuan University, Taiwan); Bo-Sian Jiang (Ming Chuan University, Taiwan)

Scalable Context-Aware Development Infrastructure for Interactive Systems in Smart Environments
> Tobias Eichler and Susanne Draheim (Hamburg University of Applied Sciences, Germany); Christos Grecos (Central Washington University, USA); Qi Wang (University of the West of Scotland, United Kingdom (Great Britain)); Kai von Luck (Hamburg University of Applied Sciences, Germany)

The AmI-Solertis System: Creating User Experiences in Smart Environments
> Asterios Leonidis, Dimitrios Arampatzis and Nikolaos Louloudakis (Foundation for Reseach and Technology - Hellas (FORTH), Greece); Constantine Stephanidis (FORTH, Greece)

Room: BARBERINI
S5: STWiMob 2017: Mobility

Performance Evaluation of Multiple Attribute Mobility Decision Models: A QoE-efficiency Perspective
> Charles H. F. dos Santos and Mathews Lima (Federal Institute of Education, Science and Technology of Rio Grande do Norte); Felipe Sampaio Dantas Silva (Federal Institute of Education, Science and Technology of Rio Grande do Norte, Brazil); Augusto J. Venancio Neto (Federal University of Rio Grande do Norte (UFRN), Brazil & Instituto de Telecomunicações Aveiro, Portugal)

Self-organizing Wireless Sensor Networks based on Biological Collective Decision Making for treating Information Uncertainty
> Saeko Shigaki, Naomi Kuze and Daichi Kominami (Osaka University, Japan); Kenji Kashima (Kyoto University, Japan); Masayuki Murata (Osaka University, Japan)

Mobility Management Optimization and Conflict Avoidance in Self-Organizing OFDMA Networks
> Öykü Nur Tuncel (Boğaziçi University, Turkey); Mutlu Koca (Bogazici University, Turkey)

UPWARC: User Plane Wireless Adaptable Reliable Communication, A New Architecture for High Speed Train Passenger Internet Services
> Subharthi Banerjee, Michael Hempel and Hamid Sharif (University of Nebraska-Lincoln, USA)

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14:00 – 15:30

Room: SISTINA
C2: Cooperative Wireless Networks

WebShawn, Simulating Wireless Sensors Networks from the Web
> Diego A Godoy (Universidad Gastón Dachary, Argentina); Eduardo Sosa (Universidad Nacional de Misiones, Argentina); Rebeca Diaz-Redondo (University of Vigo, Spain); Hernan Bareiro (Universidad Gastón Dachary, Argentina)

A Distributed Data Management Scheme for Industrial IoT Environments
> Theofanis P. Raptis (National Research Council, Italy); Andrea Passarella (IIT-CNR, Italy)

Enhancing VANET Connectivity through utilizing Autonomous Vehicles
> Marina Wagdy and Ahmad Mostafa (The British University in Egypt, Egypt); Ahmed Hamad (British University in Egypt, Egypt); Dharma P. Agrawal (University of Cincinnati, USA)

Work in Progress: Compilation of Environmental Data through Portable Low-Cost Sensors with Delay-Tolerant Mobile Ad-Hoc Networks
> Claudia Liliana Zuñiga Cañon (University of Vigo & Universidad Santiago de Cali - Comba R&D, Spain); Rafael Asorey-Cacheda (Universidade de Vigo, Spain); Juan Largo-Ortiz and Andrés Sinisterra-González (University of Santiago de Cali, Colombia)

Room: VENETO

E1: Networking

Lifetime enhancement of Disaster Recovery Systems based on IEEE 802.11s Wireless Mesh Networks using a sleep-wake algorithm with minimum number of neighbors
> Christopher Hepner (Hochschule Ulm - University of Applied Sciences, Germany); Roland Münzner (Hochschule Ulm, Germany); Robert Weigel (Friedrich-Alexander Universität Erlangen-Nürnberg & Eesy-id, Germany)

An Information Centric Networking Approach for Sensor to Vehicular Network Communication in Disasters
> Michael Zink and Rajvardhan Somraj Deshmukh (University of Massachusetts Amherst, USA)

Technology independent Scheduling Architecture for V2X Communications: a Flexible approach
> Carlo Augusto Grazia and Maurizio Casoni (University of Modena and Reggio Emilia, Italy)

ScalaNC - Scalable heterogeneous link aggregation enabled by Network Coding
> Daniel Behnke, Matthias Priebe, Sebastian Rohde and Karsten Heimann (TU Dortmund University, Germany); Christian Wietfeld (TU Dortmund University & Communication Networks Institute, Germany)

Room: BARBERINI

H1: eHealth Frameworks based on Devices and Sensors

Smart-Phone Based Monitoring of Cancer Related Fatigue
> Vanessa Christina Klaas (Wearable Computing Lab ETH Zürich, Switzerland); Natalie Büel, Heinrich Walt and Josef Jenewein (University Hospital Zurich, Switzerland); Gerhard Tröster (Wearable Computing Lab ETH Zürich, Switzerland)

Designing Device Independent Two-Phase Activity Recognition Framework for Smartphones
> Jayita Saha, Sanjoy Chakraborty and Chandreyee Chowdhury (Jadavpur University, India); Suparna Biswas (Maulana Abul Kalam Azad University of Technology WB, India); Nauman Aslam (Northumbria University, United Kingdom (Great Britain)

User acceptance of self-monitoring technology to prevent cardio-metabolic diseases: the Wize Mirror
> Giuseppe Coppini (CNR Institute of Clinical Physiology); Veronica-Chiara Zuccalà and Renata De Maria (CNR Institute of Clinical Physiology, Italy); Julie-Anne Nazare (Human Nutrition Research Center Rhône-Alpes, France); Maria-Aurora Morales (CNR Institute of Clinical Physiology); Sara Colantonio (ISTI-CNR, Italy)

Room: TREVI

N2: SEUNet 2017 S2

Bus as a Sensor: a Mobile Sensor Nodes Network for the Air Quality Monitoring
> Salvatore Michele Biondi and Vincenzo Catania (University of Catania, Italy); Salvatore Monteleone (Università degli Studi di Catania, Italy); Carmelo Polito (University of Catania, Italy)

LoRa-based Localization Systems for Noisy Outdoor Environment
> Ka Ho Lam and Chi Chung Cheung (The Hong Kong Polytechnic University, Hong Kong); W. C. Lee (Hong Kong Polytechnic University, Japan)

APHONIC: Adaptive Thresholding for Noise Cancellation in Smart Mobile Environments
> Ruairí de Fréin (Dublin Institute of Technology, Ireland)

Impact of Imperfect CSI on Resource Allocation in Cognitive Radio Channels
> Raouia Masmoudi (Gaspard Monge Computer Laboratory (LIGM), University Paris Est Marne la Valée & ETIS, University Cergy-Pontoise, ENSEA, CNRS, France); Inbar Fijalkow (ETIS / ENSEA - University Cergy-Pontoise - CNRS, France); Elena Veronica Belmega (ETIS / ENSEA - UCP - CNRS, France)

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16:00 – 17:00

Room: SISTINA

C3: Cooperative Wireless Networks

Performance Validation of NS3-LTE Emulation for Live Video Streaming under QoS Parameters

Hector Fabio Bermudez Orozco (Universidad of Quindio, Colombia); Ramon Sanchez-Iborra (University of Murcia, Spain); Jose Luis Arciniegas (Universidad del Cauca, Colombia); Wilmar Yesid Campo Muñoz (University of Quindio, Colombia); Maria-Dolores Cano (Universidad Politécnica de Cartagena, Spain)

Optimal Aggregated ConvergeCast Scheduling with an SINR Interference Model

Mahesh Bakshi, Brigitte Jaumard and Lata Narayanan (Concordia University, Canada)

Room: SISTINA

S4: STWiMob 2017: Wireless Communications 2

WiMAX Network Federation Using Spectrum Virtualization

Babatunde Samuel Ogunleye (American University of Nigeria, Nigeria); Alexandru Murgu (University of Cape Town, South Africa)

TCP Performance over 5G mmWave Links - Tradeoff between Capacity and Latency

Marcus Pieska and Andreas J. Kassler (Karlstad University, Sweden)

Room: VENETO

E2: Information Systems

Secure Crisis Information Sharing through an Interoperability Framework among First Responders: the SECTOR practical experience

Marcello Cinque and Domenico Cotroneo (University of Naples, Italy); Christian Esposito (University of Salerno, Italy); Mario Fiorentino (CINI, Italy)

CIDOR: Content Distribution and Retrieval in Disaster Networks for Public Protection

H. Islam, Dmitrij Lagutin and Andrey Lukyanenko (Aalto University, Finland); Andrei Gurtov (Linköping University, Sweden); Antti Yla-Jaaski (Aalto University, Finland)

Room: TREVI

S6: STWiMob 2017: Applications of Wireless Communications

Study on the feasibility of LoRaWAN for smart city applications

Fanghao Yu (Toshiba Research Europe Ltd. Telecommunication Research Laboratory, United Kingdom (Great Britain)); Ziming Zhu (Toshiba Research Europe Ltd, United Kingdom (Great Britain)); Zhong Fan (Keele University, United Kingdom (Great Britain))

The Secure Mobile Teen: looking at the secret world of children

Massimo Marchiori (University of Padova, Italy)

Comparison of Similarity Approaches for Indoor Localization

Wafa Njima (CNAM and Sup'COM, Tunisia); Iness Ahriz (CNAM, France); Rafik Zayani (Innov'COM, Sup'Com, Tunisia); Michel Terré (CNAM, France); Ridha R. Bouallegue, B. (Ecole Supérieure des Communications de Tunis, Tunisia)

QoE-Driven Video Enhancements in Wireless Networks through Predictive Packet Drops

Najwan Khambari (Plymouth University & Universiti Teknikal Malaysia Melaka, Malaysia); Bogdan Ghita (Plymouth University, United Kingdom (Great Britain)); Lingfen Sun (University of Plymouth, United Kingdom (Great Britain))

Room: VENETO

H2: e-Health Architectures and Services

IoTA: IoT Automated SIP-based Emergency Call Triggering System for general eHealth purposes
> Foteini Andriopoulou (University of Patras & Hellenic Open Univerrsity, Greece); Tasos Dagiuklas (London South Bank University, United Kingdom (Great Britain)); Theofanis G. Orphanoudakis (Hellenic Open University, Greece)

Towards a Smart Region: the Case Study of a Teledermatology Platform in Sardinian Region (Italy)
> Katiuscia Mannaro (University of Cagliari & DIEE, Italy); Gavina Baralla (University of Cagliari, Italy); Simona Ibba (DIEE, Italy); Andrea Pinna (University of Cagliari, Italy); Chiara Garau (DICAAR, Italy)