

# Detailed Program

All the Program was made respecting the Paris time (UTC + 2)

Wednesday October 28, 2020	
09:50 - 10:00	<i>Welcome</i>
10:00 – 11:00	Keynote Chair: <a href="#">Jalel Ben Othman, Paris 13, University and Centrale Supélec</a> <b>Title: “What is semantic information? A new paradigm for intelligent machines communication”</b> <b>Prof. Jean Claude Belfore, ENST, Telecom ParisTech, France</b>
11:00 – 11:10	Coffee Break
11:10 – 13:00	<i>Session 1: WSN and VANETs (6 papers)</i> <b>Chair: Marwane Ayaida, Université de Reims Champagne Ardenne, France</b>
	<p><i>Congestion Load Balancing Game with Losses</i></p> <p>Babacar Toure (Centrale Supélec, France); Simon Paturel (Centrale-Supélec, France); Eitan Altman (INRIA, France)</p> <p><i>PEARL: A Novel Priority and Guaranteed-Based Resource Allocation Approach for V2V Communications in LTE-V Mode 3</i></p> <p>Mariem Allouch (VEDECOM &amp; University of Versailles Saint-Quentin-en-Yvelines UVSQ, France); Sondes Kallel (University of Paris Saclay, France); Ahmed Soua (VEDECOM, France); Samir Tohme (Universite de Versailles UVSQ, France)</p> <p><i>Comparison Between Different Types of Sensor Architecture Using a Uniform Relay Protocol</i></p> <p>Olivier Flauzac (Université de Reims Champagne Ardenne, France); Joffrey Hérard and Florent Nolot (Université de Reims Champagne Ardenne &amp; CReSTIC, France); Florian Desrumaux (NewTekNet, France)</p> <p><i>Lifetime-Efficient Indoor Guidance for Smart Parking</i></p> <p>Moussa Coulibaly (ENSEM, NEST Team, Morocco); Ahmed Errami (ENSEM, Hassan II University, Morocco); Essaid Sabir (ENSEM, Hassan II University of Casablanca, Morocco)</p> <p><i>Hybrid Model Approach for Wireless Sensor Networks Coverage Improvement</i></p> <p>Boualem Adda (Esi, Algeria); Marwane Ayaida (Université de Reims Champagne Ardenne, France); Cyril de Runz (Université de Tours, France)</p> <p><i>Effectiveness of DCFM on Different Mobility Models</i></p> <p>Nadav Schweitzer (Ariel University &amp; Jerusalem College of Technology, Israel); Ariel Stulman (Jerusalem College of Technology, Israel)</p>
13:00 – 14:00	Lunch Break
14:00 – 15:00	Keynote Chair: <a href="#">Hacene Fouchal, Université de Reims Champagne Ardenne, France</a> <b>Title: “Reinforcement Learning for Resource Management in Space-Air-Ground (SAG) Integrated Vehicular Networks”</b> <b>Prof. Xuemin Sherman Shen, University of Waterloo, Canada</b>
15:00 – 16:20	<i>Session 2: 5G (5 papers)</i> <b>Chair: Khalil Ibrahimi, Ibn Tofail University, Morocco</b>

	<p><b>Concept of a TSN to Real-Time Wireless Gateway in the Context of 5G URLLC</b></p> <p>Jannis Ohms (Ostfalia University of Applied Sciences, Germany); Martin Böhm (Ostfalia - University of Applied Sciences, Germany); Diederich Wermser (Ostfalia University of Applied Sciences, Germany)</p> <p><b>Users' Power Multiplexing Limitations in NOMA System over Gaussian Channel</b></p> <p>Ahlem Haddad (University of Setif-1, Algeria); Slimani Djamel (University of Setif-1, Algeria); Amor Nafkha (CentraleSupélec, France); Faouzi Bader (ISEP, France)</p> <p><b>Study of Cooperative MIMO Approach in Hilly Environment</b></p> <p>Teodora Kocevka (Jožef Stefan International Postgraduate School &amp; Jožef Stefan Institute, Slovenia); Andrej Hrovat (Jožef Stefan Institute, Slovenia); Tomaz Javornik (Jozef Stefan Institute, Slovenia)</p> <p><b>UAV for IoT Communications: Beam Selection Using Matching Game and Network Slicing</b></p> <p>Salma Brihi (Rabat IT Center, ENSIAS, Mohammed University of Rabat, Morocco); Anas Ghamizi and Karim Chakri (University Mohammed 5 ENSIAS, Morocco)</p> <p><b>Deep Learning Based Prediction of Signal-To-Noise Ratio (SNR) for LTE and 5G Systems</b></p> <p>Thinh Ngo and Brian T Kelley (University of Texas at San Antonio, USA); Paul Rad (University of Texas at San Antonio, USA)</p>
16:20 – 16:30	Coffee Break
16:30 – 16:40	<p><b>Student Competition Presentation</b></p> <p>Student competition Chair: Florent Nolot, Université de Reims Champagne Ardenne, France</p>
16:40 – 18:00	<p><b>Session 3: e-Health and e-Learning (5 papers)</b></p> <p>Chair: Hassine MOUNGLA, University of Paris, France</p>
	<p><b>Design of a Serious Game to Strengthen the Immune System Against Covid-19</b></p> <p>Farida Bouroumane (Faculty Polydisciplinaire Taza, Morocco); Abderrahim Saaidi (University FPT &amp; Polydisciplinary Faculty of Taza (FPT), Sidi Mohammed Ben Abdellah University of Fes (USMBA). Morocco, Morocco); Mustapha Abarkan (Faculté Polydisciplinaire de Taza Université Sidi Mohamed ben Abdellah, Morocco)</p> <p><b>A Smart Elderly Monitoring System Based on Cloud</b></p> <p>Ezaz Mohammed Aldahasi and Manal Mohamed Alhejazi (Imam Abdulrahman Bin Faisal University, Saudi Arabia); Eyman Abdulrahman Alyahyan (Imam Abdulrahman bin Faisal University, Saudi Arabia)</p> <p><b>Cloth Fitting Based on Skeleton Driving and Implicit Skinning</b></p> <p>Abderrazzak Ait mouhou (Mohamed Ben Abdellah University, Morocco); Abderrahim Saaidi (University FPT &amp; Polydisciplinary Faculty of Taza (FPT), Sidi Mohammed Ben Abdellah University of Fes (USMBA). Morocco, Morocco); Majid Ben yakhlef (Engineering Sciences Laboratory, University Sidi Mohamed Ben Abdellah, (FP Taza), Morocco); Khalid Abbad (University of sidi Mohamed ben Abdellah FEZ, Morocco)</p> <p><b>Analysis of the Over-Connectivity in Autistic Brains Using the Maximum Spanning Tree: Application on the Multi-Site and Heterogeneous ABIDE Dataset</b></p> <p>Fatima zahra Benabdallah (Mohammed V University, Morocco); Ahmed Drissi El Maliani (Faculté des Sciences, Université Mohammed V, Rabat, Morocco); Dounia Lotfi (Mohammed V University &amp; Faculty of Sciences, LRIT Associated Unit with the CNRST, Morocco); Mohammed El Hassouni (University of Mohammed V -Agdal-, Morocco)</p>

	<p><b>Learning the Java Language: Java Shooter</b></p> <p>Ali Abarkan (Sidi Mohamed Ben Abdellah University of Fez FPT, Morocco); Abderrahim Saaidi (University FPT &amp; Polydisciplinary Faculty of Taza (FPT), Sidi Mohammed Ben Abdellah University of Fes (USMBA). Morocco, Morocco); Majid Ben yakhlef (Engineering Sciences Laboratory, University Sidi Mohamed Ben Abdellah, (FP Taza), Morocco)</p>
<b>Thursday October 29, 2020</b>	
09:00 – 10:50	<p style="text-align: center;"><i>Session 4: AI and classification algorithms</i> (6 papers)  <b>Chair: Chérifa Boucetta, Université de Reims Champagne Ardenne, France</b></p>
	<p><b>A Self-Adapting Face Authentication System with Deep Learning</b></p> <p>Hind Ahmad Baaqeel (Imam Abdullrahman bin Faisaluniversity, Saudi Arabia); Sunday Olusanya Olatunji (Imam Abdulrahman Bin Faisal University, Dammam, Kingdom of Saudi Arabia, Saudi Arabia)</p> <p><b>A New Approach for Increasing K-Nearest Neighbors Performance</b></p> <p>Youssef Aamer (ENSEM. University of Hassan II, Morocco); Yahya Benkaouz (FSR, Mohammed V University in Rabat, Morocco); Ouzzif Mohammed (Higher School of Technology. University of Hassan II - Casablanca-Morocco, Morocco); Khalid Bouragba (Higher School of Technology. University of Hassan II, Morocco)</p> <p><b>Estimation of the Monthly Runoff from Precipitation and Flow Measurement Networks Using Artificial Neural Network</b></p> <p>Said Rachidi (University of Mohammad V, Morocco); El alami Jamila (University Mohamed V, Morocco); El mazoudi El houssine (University Caddy Ayyad, Morocco)</p> <p><b>GastroNet: Abnormalities Recognition in Gastrointestinal Tract Through Endoscopic Imagery Using Deep Learning Techniques</b></p> <p>Samira Lafraxo (Faculty of Science, Ibn Zohr University, Morocco); Mohamed El Ansari (University of Ibn Zohr &amp; Faculty of Science, Morocco)</p> <p><b>A Graph-Based Approach to Derive the Geodesic Distance on Statistical Manifolds: Application to Multimedia Information Retrieval</b></p> <p>Zakariae Abbad (LISAC Laboratory, FSDM, USMBA, Fez, Morocco); Ahmed Drissi El Maliani (Faculté des Sciences, Université Mohammed V, Rabat, Morocco); Said Ouatik EL Alaoui (Laboratory of Engeneering Sciences, National School of Applied Sciences, Ibn Tofail University, Kenitra, Morocco); Mohammed El Hassouni (University of Mohammed V -Agdal-, Morocco)</p> <p><b>New Method of Compensation the Out-Of-Focus Defect Introduced by the Optical System of a Micro-Camera</b></p> <p>Hicham Ghennioui (LSSC, Faculty of Sciences and Technologies, University of Sidi Mohammed Ben Abdellah, Fez, Morocco)</p>
10:50 – 11:00	Coffee Break
11:00 - 12:00	<p>Keynote Chair: <b>Marwane Ayaida, Université de Reims Champagne Ardenne, France</b></p> <p style="text-align: center;"><b>Title: “Wireless 2.0: Smart Radio Environments Empowered by Reconfigurable Intelligent Surfaces”</b></p> <p><b>Prof. Marco Di Renzo, Centrale Supélec, Paris, France</b></p>
12:00– 14:00	Lunch Break
14:00 – 15:40	<p style="text-align: center;"><i>Session 5: IoT</i> (5 papers)  <b>Chair: El Kamili Mohamed, EST, University Hassan II, Morocco</b></p>
	<p><b>A Taxonomy of Service Discovery Approaches in IoT</b></p>

	<p>Meriem Achir (USTHB University, Algeria); Abdelkrim Abdelli (USTHB University- Algiers, Algeria); Lynda Mokdad (Université de Paris 12 &amp; Laboratoire LACL, France)</p> <p><i>SDN Architecture to Prevent Attacks with OpenFlow</i></p> <p>Olivier Flauzac (Université de Reims Champagne Ardenne, France); Erick Mauricio Gallegos Robledo (Université de Reims Champagne Ardenne, France); Carlos Gonzalez (Autonomous University of Chiriqui &amp; Senacyt Panama, Panama); Fabien Mauhourat and Florent Nolot (Université de Reims Champagne Ardenne &amp; CReSTIC, France)</p> <p><i>A Review: Collaborative Intrusion Detection for IoT Integrating the Blockchain Technologies</i></p> <p>Hafsa Benaddi (University of IBN-Tofail, Faculty of Sciences, Morocco); Khalil Ibrahim (University of IBN Tofail &amp; Faculty of Sciences, Morocco)</p> <p><i>Smart Grid Networks Enabled Electricity-Theft Detection and Fault Tolerance</i></p> <p>Chérifa Boucetta (Université de Reims Champagne Ardenne &amp; Crestic, France); Olivier Flauzac (Université de Reims Champagne Ardenne, France); Bachar Salim Hagggar (Ecole Nationale Supérieure des TIC, France); Abdel-Nassir Mahamat Nassour (Université de Reims Champagne Ardenne, France); Florent Nolot (Université de Reims Champagne Ardenne &amp; CReSTIC, France)</p> <p><i>A New Middleware for Managing Heterogeneous Robot in Ubiquitous Environments</i></p> <p>Dimitri Marcheras (SATT Nord, France); Marwane Ayaida and Nadhir Messai (Université de Reims Champagne Ardenne, France); Frederic Valentin (Université de Reims Champagne Ardenne, France)</p>
15:40 – 15:50	<p style="text-align: center;"><b>Student Competition Results</b> Student competition Chair: Florent Nolot, Université de Reims Champagne Ardenne, France</p>
15:50 - 16:00	<p style="text-align: center;"><i>Conference Closure</i></p>