

**(\* Note: All times are Morocco local time (GMT+01))**

<i>Friday September 4<sup>th</sup>, 2020</i>	
<b>08:30-09:00</b>	<b>Opening Speech</b>
	<ul style="list-style-type: none"> <li>• <b>Prof. Mohamed-Slim Alouini</b>, KAUST, Kingdom of Saudi Arabia (<b>Steering Committee Chair</b>)</li> <li>• <b>Prof. Faissal El Bouanani</b>, ENSIAS, Mohammed V University of Rabat, Morocco (<b>General Chair</b>)</li> <li>• <b>Prof. Paschalis C. Sofotasios</b>, Khalifa University, Abu Dhabi, UAE (<b>TPC Chair</b>)</li> <li>• <b>Prof. Ilham Berrada</b>, ENSIAS, Mohammed V University of Rabat, Morocco (<b>ENSIAS College Dean</b>)</li> </ul>
<b>09:00-09:40</b>	<p><b>Plenary Speaker 1:</b> Prof. <b>George K. Karagiannidis</b>, Aristotle University of Thessaloniki, Greece</p> <p style="text-align: center;"><b>Title:</b> <i>"The Optical Wireless Paradigm in Biomedical Engineering"</i></p> <p><b>Session Chair:</b> Prof. <b>Paschalis C. Sofotasios</b>, Khalifa University, Abu Dhabi, UAE</p>
<b>09:40-10:00</b>	<b>Break</b>
<b>10:00-11:50</b>	<b>Technical Sessions</b>
	<i>Session I: Networking &amp; Security 1</i>
	<b>Session Chair:</b> Prof. <b>Paschalis C. Sofotasios</b> , Khalifa University, Abu Dhabi, UAE
<b>11:50 -12:20</b>	<p><b>Invited Speaker 1:</b> Dr. <b>Mustafa A. Kishk</b>, KAUST, Kingdom of Saudi Arabia</p> <p style="text-align: center;"><b>Title:</b> <i>"Safeguarding the IoT from Malware Epidemics: A Percolation Theory Approach"</i></p> <p><b>Session Chair:</b> Prof. <b>Jules Moualeu</b>, University of the Witwatersrand, South Africa</p>
<b>12:20-14:00</b>	<b>Break</b>
<b>14:00-16:00</b>	<b>Technical Sessions</b>
	<i>Session II : Networking &amp; Security 2</i>
	<b>Session Chair:</b> Prof. <b>Sami Muhaidat</b> , Khalifa University, Abu Dhabi, UAE
<b>16:00-16:10</b>	<b>Break</b>
<b>16:10-17:35</b>	<b>Technical Sessions</b>
	<i>Session III : Smart Applications 1</i>
	<b>Session Chair:</b> Profs. <b>Fouad Ayoub &amp; Mohamed Chergui</b> , CRMEF, Kenitra, Morocco
<b>17:35-18:15</b>	<p><b>Plenary Speaker 2:</b> Prof. <b>Melike Erol-Kantarci</b>, University of Ottawa, Canada</p> <p style="text-align: center;"><b>Title:</b> <i>"AI-enabled Transactive Energy Systems and the Role of Communications"</i></p> <p><b>Session Chair:</b> Prof. <b>Mohamed-Slim Alouini</b>, KAUST, Kingdom of Saudi Arabia</p>

Saturday September 5 <sup>th</sup> , 2020	
<b>08:20-09:10</b>	<p style="text-align: center;"><b>Plenary Speaker 3: Prof. Ioannis Krikidis, University of Cyprus</b></p> <p style="text-align: center;"><b><u>Title:</u> "Wireless Powered Communications: Overview, Recent Results, and Challenges"</b></p> <p style="text-align: center;"><b><u>Session Chair:</u> Prof. Zhiguo Ding, The University of Manchester, UK</b></p>
<b>09:10-10:50</b>	<p style="text-align: center;"><b>Technical Sessions</b></p>
	<p style="text-align: center;"><b>Session IV : Smart Applications 2</b></p> <p style="text-align: center;"><b><u>Session Chair:</u> Profs. Fouad Ayoub &amp; Mohamed Chergui, CRMEF, Kenitra, Morocco</b></p>
<b>10:50-11:05</b>	<p style="text-align: center;"><b>Break</b></p>
<b>11:05-12:55</b>	<p style="text-align: center;"><b>Technical Sessions</b></p>
	<p style="text-align: center;"><b>Session V : PHY &amp; Performance Analysis 1</b></p> <p style="text-align: center;"><b><u>Session Chair:</u> Dr. Elmehdi Illi, ENSIAS, Mohammed V University in Rabat, Morocco</b></p>
<b>12:55-14:30</b>	<p style="text-align: center;"><b>Break</b></p>
<b>14:30-16:00</b>	<p style="text-align: center;"><b>6G Panel: "6G: Opportunities and Challenges"</b></p> <p style="text-align: center;"><b><u>Panel Moderator:</u> Prof. Mohamed-Slim Alouini, KAUST, KSA</b></p>
	<p><b><u>Panelists:</u></b></p> <ul style="list-style-type: none"> <li>• Prof. <b>Walid Saad</b>, Virginia Tech, USA,</li> <li>• Prof. <b>Nan Chi</b>, Fudan University, China,</li> <li>• Prof. <b>Luca Chiaraviglio</b>, University of Rome Tor Vergata, Italy,</li> <li>• Prof. <b>Hina Tabassum</b>, York University, Canada</li> </ul>
<b>16:00-16:15</b>	<p style="text-align: center;"><b>Break</b></p>
<b>16:15-16:55</b>	<p style="text-align: center;"><b>Plenary Speaker 4: Prof. Mehdi Bennis, University of Oulu, Finland</b></p> <p style="text-align: center;"><b><u>Title:</u> "Extreme Ultra-Reliable and Low-Latency Communication"</b></p> <p style="text-align: center;"><b><u>Session Chair:</u> Prof. Daniel Benevides da Costa, Federal University of Cear (UFC), Cear, Brazil</b></p>

16:55-17:35	<p><b>Plenary Speaker 5:</b> Prof. <b>Hong-Chuan Yang</b>, University of Victoria, Canada</p> <p><b>Title:</b>” <i>Wireless Communications for Advanced Internet of Things: A Unifying Data-Oriented Approach</i>”</p> <p><b>Session Chair:</b> Prof. <b>Mohamed-Slim Alouini</b>, KAUST, Kingdom of Saudi Arabia</p>
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Sunday September 6 <sup>th</sup> , 2020	
09:00-11:05	<p style="text-align: center;"><b>Technical Sessions</b></p> <p style="text-align: center;"><i>Session VI : PHY &amp; Performance Analysis 2</i></p> <p><b>Session Chair:</b> Prof. <b>Paschalis C. Sofotasios</b>, Khalifa University, Abu Dhabi, UAE</p>
11:05-11:35	<p><b>Invited Speaker 2:</b> Dr. <b>Ahmed Elzanaty</b>, KAUST, Kingdom of Saudi Arabia</p> <p><b>Title:</b> ” <i>Green Tethered UAVs for EMF-Aware Cellular Network Design</i>”</p> <p><b>Session Chair:</b> Dr. <b>Elmehdi Illi</b>, ENSIAS, Mohammed V University of Rabat, Morocco</p>
11:35-12:15	<p><b>Plenary Speaker 6:</b> Prof. <b>Ana García Armada</b>, Carlos III University of Madrid, Spain</p> <p><b>Title:</b>” <i>Recent advances in Non-Coherent massive MIMO</i>”</p> <p><b>Session Chair:</b> Prof. <b>George K. Karagiannidis</b>, Aristotle University of Thessaloniki, Greece</p>
12:15-13:45	<p style="text-align: center;"><b>Tutorial: “Role of Flying Platforms for Global Connectivity”</b></p> <p><b>Presenters:</b> Prof. <b>Mohamed-Slim Alouini</b>, KAUST, Kingdom of Saudi Arabia and Prof. <b>Muhammad Zeeshan Shakir</b>, University of the West of Scotland, UK</p> <p><b>Session Chair:</b> Prof. <b>Imran Shafique Ansari</b>, University of Glasgow, UK</p>
13:45-14:15	<p style="text-align: center;"><b>Closing Speech</b></p>

## Detailed program

Friday September 4<sup>th</sup>, 2020

### Opening Speech - (08:30-09:00)

- **Prof. Mohamed-Slim Alouini**, KAUST, Kingdom of Saudi Arabia (**Steering Committee Chair**)
- **Prof. Faissal El Bouanani**, ENSIAS, Mohammed V University of Rabat, Morocco (**General Chair**)
- **Prof. Paschalis C. Sofotasios**, Khalifa University, Abu Dhabi, UAE (**TPC Chair**)
- **Prof. Ilham Berrada**, ENSIAS, Mohammed V University of Rabat, Morocco (**ENSIAS College Dean**)

### Plenary Speaker 1- (09:00-09:40)

**Speaker:** Prof. George K. Karagiannidis, Aristotle University of Thessaloniki, Greece

**Title:** "*The Optical Wireless Paradigm in Biomedical Engineering*"

**Session Chair:** Prof. Paschalis C. Sofotasios, Khalifa University, Abu Dhabi, UAE.

### Break- (09:40-10:00)

### Session I - (10:00-11:50): Networking & Security 1

- **Session Chair:** Prof. Paschalis C. Sofotasios, Khalifa University, Abu Dhabi, UAE

**1570656676:** "AES/FPGA Encryption Module Integration for Satellite Remote Sensing Systems: LST-SW case", Assaad EL Makhoulfi (University Abdelmalek Essaadi (UAE), National School for Applied Sciences & RS&GIS Research Unit, Morocco); Noha Tagmouti (ENSA de Tétouan, Morocco); Samir El Adib (National School for Applied Sciences, University Abdelmalek Essaadi (UAE), Morocco); Jose Sobrino (University of Valencia, Spain); Naoufal Raissouni (ENSA Tetouan, Morocco)

**1570657603:** "Improvement of TCP in high-speed networks", Kaoutar Bazi (Hassan First University of Settat FST, Morocco); Bouchaib Nassereddine (Hassan First University of Settat FST)

**1570661356:** "Client Based Access Layer QoS Provisioning in Beyond 5G IoT Networks", Muhammad Asad (National University of Science and Technology, Pakistan); Saad B. Qaisar (School of Electrical Engineering and Computer Science (SECS), NUST & National University of Sciences & Technology, Pakistan); Abdul Basit (National University of Sciences and Technology, Pakistan)

**1570661823:** "Optimize the QoS Metrics in Smart Mobile Communication using Multi- Objective Function", Halim Berradi (ENSIAS, Morocco); Ahmed Habbani (University Mohammed V Rabat & Ensias, Morocco); Mohammed Souidi (ENSIAS, Mohammed V University in Rabat, Morocco); FatnaElmahdi (ENSIAS & University of Mohammed V, Morocco); Nada Mouchfiq (ENSIAS, Mohammed V University in Rabat, Morocco)

**1570658676:** "Interoperability between heterogeneous multi-agent systems recommended by FIPA: towards a weakly coupled approach based on a network of recurrent neurons of the LSTM type", Noureddine El abidamrani (University Hassan II of Casablanca Morocco & Laboratory SSDIA, ENSET Mohammedia, Morocco); Youssefi Mohamed (Labo SSDIA, ENSET Mohammedia, Morocco); Omar Bouattane (ENSET Hassan II University of Casablanca, Morocco); Oum El Kheir Abra (Faculté des Sciences, Université Mohammed V, Morocco)

**1570656427:** "An Enhanced Authentication Protocol based Group for Vehicular Communications over 5G Networks", Mariya Ouaisa, Meriem Houmer and Mariyam Ouaisa (ENSAM, Moulay Ismail University, Meknes, Morocco)

### Invited Speaker 1- (11:50-12:20)

- **Speaker:** Dr. **Mustafa A. Kishk**, KAUST, Kingdom of Saudi Arabia
- **Title:** ” *Safeguarding the IoT from Malware Epidemics: A Percolation Theory Approach*”
- **Session Chair:** Prof. **Jules Moualeu**, University of the Witwatersrand, South Africa

### Break- (12:20-14:00)

### Session II - (14:00-16:00): Networking & Security 2

- **Session Chair:** Prof. **Sami Muhaidat**, Khalifa University, Abu Dhabi, UAE

**1570657633:** “Reactive caching of viral content in 5G networks”, Saideh Ahangary (FUM, Iran); Hamid Chitsaz, Mohammad javad Sobouti, Amir Hossien Mohajerzadeh and Mohammad Hossein Yaghmaee Moghaddam (Ferdowsi University of Mashhad, Iran); Hamed Ahmadi (University of York, United Kingdom (Great Britain))

**1570656155:** “Towards Enhancement of Network Communication Architectures and Routing Protocols for FANETS: A Survey”, Sara A Al-Emadi and Aisha Al-Mohannadi (Qatar University, Qatar)

**1570647993:** “Man-in-the-Middle Attacks to Detect and Identify Services in Encrypted Network Flows using Machine Learning”, Abdulrahman Al-Hababi (Hamad Bin Khalifa University, Qatar); Sezer Can Tokgoz (Texas A&M University (at Qatar), USA)

**1570659085:** “Edge Computation for SDR-SDN”, Sumit Chakravarty (Kennesaw State University, USA); Madhushri Banerjee (Georgia Gwinnett College, USA)

**1570653024:** “Identification of the K-most Vulnerable Entities in a Smart Grid System”, Sohini Roy (Arizona State University, USA)

**1570659408:** “Security on Blockchain Technology”, Mohamed Fartichou (LaMAO lab, MSC team, FP, Mohammed First University Nador, Morocco); Khalid El Makkaoui (LaMAOlab MSC team FP Univ Mohammed 1 Nador, LAVETE lab FST Univ Hassan1 Settati, Morocco); Nabil Kannouf (ACSA Laboratory, Faculty of Sciences, Mohammed First University, Oujda, Morocco); Zakaria El Allali (LaMAO lab, MSC team, FP, Mohammed First University Nador, Morocco)

### Break- (16:00-16:10)

### Session III - (16:10-17:35): Smart Applications 1

- **Session Chair:** Profs. **Fouad Ayoub & Mohamed Chergui**, CRMEF, Kenitra, Morocco

**1570644992:** “Smart Nest Box: IoT Based Nest Monitoring In Artificial Cavities”, Rachida Aitabdelouahid (University Hassan II- Casablanca Faculty of Sciences Ben M'sik, Morocco); Olivier Debauche (University of Mons & University of Liège, Belgium); Saïd Mahmoudi (University of Mons, Belgium); Marzak Abdelaziz (Faculty of Science Ben M'sik, Morocco); Pierre Manneback (University of Mons, Belgium); Frédéric Lebeau (University of Liege, Belgium)

**1570648186:** “Toward a Deep Smart Waste Management System based on Pattern Recognition and Transfer learning”, Jadli Aissam (ENSAM Casablanca, Morocco); Mustapha Hain (University Hassan II & ENSAM, Morocco)

**1570644991:** “Revo Campus: a distributed open source and low-cost smart campus”, Olivier Debauche (University of Mons & University of Liège, Belgium); Rachida Aitabdelouahid (University Hassan II- Casablanca Faculty of Sciences Ben M'sik, Morocco); Saïd Mahmoudi (University of Mons, Belgium); Yahya Moussaoui (University of the Littoral Opal Coast, France); Marzak Abdelaziz (Faculty of Science Ben M'sik, Morocco); Pierre Manneback (University of Mons, Belgium)

**1570650584:** “An Inexpensive but Smart MAC-Address Based Attendance Monitoring System”, Anas Hashmi (University of Jeddah, Saudi Arabia)

**1570660100:** “ Prediction of Patients with Heart Disease using Artificial Neural Network and Adaptive Boosting techniques”, Terrada Oumaima (Hassan II University of Casablanca, Morocco); Bouchaib Cherradi (CRMEF Casablanca-Settat & Chouaib Doukkali University, Morocco); Abdelhadi Raihani (ENSET Mohammedia, Morocco); Hicham Moujahid (University Hassan 2, Morocco); Omar Bouattane (ENSET Hassan II University of Casablanca, Morocco)

**Plenary Speaker 2- (17:35-18:15)**

- **Speaker:** Prof. **Melike Erol-Kantarci**, University of Ottawa, Canada
- **Title:** *”AI-enabled Transactive Energy Systems and the Role of Communications”*
- **Session Chair:** Prof. **Mohamed-Slim Alouini**, KAUST, Kingdom of Saudi Arabia

## Saturday September 5<sup>th</sup>, 2020

### Plenary Speaker 3- (08:20-9:10)

- **Speaker:** Prof. **Ioannis Krikidis**, University of Cyprus
- **Title:** *"Wireless Powered Communications: Overview, Recent Results, and Challenges"*
- **Session Chair:** Prof. **Zhiguo Ding**, The University of Manchester, UK

### Session IV - (09:10-10:50): Smart Applications 2

- **Session Chair:** Profs. **Fouad Ayoub & Mohamed Chergui**, CRMEF, Kenitra, Morocco

**1570657573:** "Real Power Control: MPPT and Pitch Control in a DFIG Based Wind Turbine", Choroq Zadelkhair El Archi (ENSIAS, Morocco); Tamou Nasser (Mohammed V University in Rabat, Morocco); Ahmed Essadki (Essadki, Morocco); Jorge Alvarado (Texas A&M University, USA)

**1570657588:** "Classification of Patients with Breast Cancer using Neighbourhood Component Analysis and Supervised Machine Learning Techniques", Sara Laghmati (Chouaib Doukkali University, Morocco); Bouchaib Cherradi (CRMEF Casablanca-Settat & Chouaib Doukkali University, Morocco); Amal Tmiri (Chouaib Doukkali University El Jadida Morocco, Morocco); OthmaneDaanouni (ChouaibDoukkali University, Morocco)

**1570660044:** "New and efficient method to find all minimal paths", Yasser Lamalem (IBN Tofail, Morocco); Khalid Housni (Faculty of Sciences, University of IBN TOFAIL, Morocco)

**1570671468:** "A Novel Feature Extraction System for Cursive Word Vocabulary Recognition using Local Features Descriptors and Gabor Filter", Soufiane Hamida (University Hassan II of Casablanca, Morocco); Bouchaib Cherradi (CRMEF Casablanca-Settat & Chouaib Doukkali University, Morocco); Terrada Oumaima (Hassan II University of Casablanca, Morocco); Raihani Abdelhadi (Labo SSDIA, ENSET Mohammedia, Morocco); Ouajji Hassan (ENSET Mohammedia, Hassan II University of Casablanca, Morocco); Sara Laghmati (Chouaib Doukkali University, Morocco)

**1570671878:** "Construction of Isodual Codes over Finite Rings", Sabiri Mohammed, Youssef Bensalih and Aziz Elbour (Moulay Ismail University, Morocco)

### Break - (10:50-11:05)

### Session V- (11:05-12:55): PHY & Performance Analysis 1

- **Session Chair:** Dr. **Elmehdi Illi**, ENSIAS, Mohammed V University of Rabat, Morocco

**1570657151:** "Performance Analysis of DF Based Cascaded VLC-FSO-VLC System", **Rima Deka** (Indian Institute of Information Technology Guwahati, India)

**1570661132:** "On the Performance of Dual-Hop SWIPT-based Relaying System with Asymmetric Fading Conditions", Elmehdi Illi (University Mohamed V, Morocco); Faissal El Bouanani (ENSIAS, Mohammed V University in Rabat, Morocco); Fouad Ayoub (CRMEF Kenitra, Morocco)

**Invited paper:** "Generalization of Space-Time Block Coded-Spatial Modulation for High Data Rate VLC Systems", Shima Ayman Naser (Khalifa University, United Arab Emirates); Paschalis C. Sofotasios (Khalifa University & Tampere University, Finland)

**Invited paper:** "Space Shift Keying Modulation in Non-Orthogonal Multiple Access Hybrid Visible Light Communication Systems", Amna Al Jaber (Khalifa University, Finland); Shima Ayman Naser (Khalifa University, United Arab Emirates); Paschalis C. Sofotasios (Khalifa University & Tampere University, Finland); Sami Muhaidat (Khalifa University, United Arab Emirates)

**1570650013:** "Tactical Drone for Point-to-Point data delivery using Laser-Visible Light Communication (L-VLC)", SachinMotwani (Guru TeghBahadur Institute of Technology, India)

**1570673385:** "Predictor Antennas for Moving Relays: Finite Block-length Analysis", Hao Guo, Behrooz Makki, and Tommy Svensson

**Break - (12:55-14:30)**

**6G Panel: "6G: Opportunities and Challenges" - (14:30-16:00)**

- **Panel Moderator:** Prof. **Mohamed-Slim Alouini**, KAUST, Kingdom of Saudi Arabia

**Panelists:**

- Prof. **Walid Saad**, Virginia Tech, USA,
- Prof. **Nan Chi**, Fudan University, China,
- Prof. **Luca Chiaraviglio**, University of Rome Tor Vergata, Italy,
- Prof. **Hina Tabassum**, York University, Canada

**Break - (16:00-16:15)**

**Plenary Speaker 4- (16:15-16:55)**

- **Speaker:** Prof. **Mehdi Bennis**, University of Oulu, Finland
- **Title:** "*Extreme Ultra-Reliable and Low-Latency Communication*"
- **Session Chair:** Prof. **Daniel Benevides da Costa**, Federal University of Ceará (UFC), Ceará, Brazil.

**Plenary Speaker 5- (16:55-17:35)**

- **Speaker:** Prof. **Hong-Chuan Yang**, University of Victoria, Canada
- **Title:** "*Wireless Communications for Advanced Internet of Things: A Unifying Data-Oriented Approach*"
- **Session Chair:** Prof. **Mohamed-Slim Alouini**, KAUST, Kingdom of Saudi Arabia.



## Sunday September 6<sup>th</sup>, 2020

### Session VI - (09:00-11:05): PHY & Performance Analysis 2

- **Session Chair:** Prof. **Paschalis C. Sofotasios**, Khalifa University, Abu Dhabi, UAE

**1570659794:** "Performance Analysis of MIMO-STBC Systems over Correlated Fading Channels", Youssef Miftah (ENSIAS, Morocco); Bessate Abdelmajid and Faissal El Bouanani (ENSIAS, Mohammed V University in Rabat, Morocco)

**1570657357:** "Performance Analysis of Distributed Alamouti based UWOC System", **Pratik PranPhookan** (Indian Institute of Information Technology Guwahati, India); **Sanya Anees** (Indian Institute of Information Technology - Guwahati, India)

**1570672065:** "Channel Quality Estimation Index of Composite Multipath/Shadowing Conditions", Paschalis C. Sofotasios (Khalifa University & Tampere University, Finland); Fatema Tareq Ahmad Al-Ogaili (Khalifa University, United Arab Emirates)

**1570672066:** "BER of Differentially Modulated Amplify and Forward Relay Systems", Sara Ahmed AlMaeni (Mohammed Bin Rashid Space Center, United Arab Emirates); Paschalis C. Sofotasios (Khalifa University & Tampere University, Finland)

**1570672064:** "On the effective capacity over generalized shadowed fading conditions", Asma Al Mheiri (Khalifa University, United Arab Emirates); Paschalis C. Sofotasios (Khalifa University & Tampere University, Finland)

**1570660414:** "Energy efficiency comparison of Outphasing and IDP techniques with non-linear power amplifiers", Khaled Tahkoubit (University of Sciences and Technology of Oran, Mohammed Boudiaf (USTO-MB) & Laboratory of Coding LACOSI, Algeria); Hmaied Shaiek (CNAM, France); Daniel Roviras (Cnam, France); Adda Ali Pacha (Universté des Sciences et de la Technologie Oran, Algeria)

**1570657563:** "Improving the REP in a SGC: Multi-Objective Predictive Optimization Algorithms Based On Fuzzy Multi-Criteria Decision-Making", Abdiddaim Katkout (Mohammed V University & ENSET Rabat, Morocco); Ahmed Essadki (Essadki, Morocco); Tamou Nasser (Mohammed V University in Rabat, Morocco)

### Invited Speaker 1- (11:05-11:35)

- **Speaker:** Dr. **Ahmed Elzanaty**, KAUST, Kingdom of Saudi Arabia
- **Title:** "*Green Tethered UAVs for EMF-Aware Cellular Network Design*"
- **Session Chair:** Dr. **Elmehdi Illi**, ENSIAS, Mohammed V University of Rabat, Morocco

### Plenary Speaker 6- (11:35-12:15)

- **Speaker:** Prof. **Ana García Armada**, Carlos III University of Madrid, Spain
- **Title:** "*Recent advances in Non-Coherent massive MIMO*"
- **Session Chair:** Prof. **George K. Karagiannidis**, Aristotle University of Thessaloniki, Greece

### Tutorial- (12:15-13:45)

- **Title:** "*Role of Flying Platforms for Global Connectivity*"
- **Presenters:** Prof. **Mohamed-Slim Alouini**, KAUST, Kingdom of Saudi Arabia and Prof. **Muhammad Zeeshan Shakir**, University of the West of Scotland, UK
- **Session Chair:** Prof. **Imran Shafique Ansari**, University of Glasgow, UK.

### Closing Speech - (13:45-14:15)