Friday 21st July 2017	
08:30 - 09:00	Registration
09:00 - 09:30	Session 1: Opening Ceremony
09:30 - 10:20	Keynote 1: Dr. Samir El Ghazali
10:20 - 10:50	Coffee break
10:50 - 12:10	Oral Session 2 Session WSC-2 (Amphitheater X)
12:10 - 13:15	Lunch
14:30 - 15:50	Oral Session 3 Session WSC-3 (Amphitheater X)
15:50 - 16:15	Coffee Break
16:15 - 17:30	Panel discussion
Saturday 22nd July 2017	
08:30 - 09:00	Registration
09:00 - 09:50	Keynote 2: Dr. Tarek El-Ghazawi
09:50 - 10:20	Coffee Break
10:20 - 12:00	Oral Session 4 Session SDE-4 (Amphith. X) Session SDE-4 (Amphith. Y)
12:00 - 13:05	Lunch
13:10 - 14:50	Oral Session 5 Session SDE-5 (Amphith. X) Session SDE-5 (Amphith. Y)
14:50 - 15:20	Poster Session 1
15:20 - 15:50	Coffee Break
15:50 - 17:30	Oral Session 6 Session SDE-6 (Amphith. X) Session SDE-6 (Amphith. Y)
Sunday 23th July 2017: Social event	

Day 1: US / Morocco Workshop on Sensors and Wireless Network for Smart Cities

Day 1: Friday 21st July 2017		
8:30 – 9:00 AM	Registration	
Session 1 – Opening Session		
9:00 – 9:30 AM	**Opening Ceremony**	30 mins
9:30 – 10:20 AM	Keynote speaker: Dr. Samir El-Ghazaly **Developing Technology to support smart and connected communities**	
10:20 – 10:50 AM	**Coffee break and Networking**	15 mins
Session 2 – Sensing for Smart Cities *Session Chairs: to be assigned*		

10:50 – 11:10 AM	Presentation 1 (P1): Dr. Sajal Das, Missouri Univ. of S&T, USA **Securing Big Data and IoT Networks in Smart Cyber-Physical Environments**	20 mins
11:10 – 11:30 AM	P3. Prof. Omprakash Gnawali, UH, USA **Room Occupancy Estimation Through WiFi, UWB, and Light Sensors Mounted on Doorways**	20 mins
11:30 – 11:50 AM	P4. Dr. Alan Michelson, University of Colorado, USA **Water Quality Sensors for Smart Cities**	20 mins
11:50 – 12:10 AM	P5. Dr. Ala Al-Fuqaha, Western Michigan University, USA **Crowdsourcing Apps for More Livable Communities**	20 mins
12:15 – 1:30 PM	**Lunch**: Interaction time during lunch	60 mins
	Session 3- Enabling Technologies	
2:30 – 2:50 PM	P7. Dr. Tahar El-Korchi, Worcester Polytechnic Institute, USA **4D Model for Smart Cities**	
2:50 – 3:10 PM	P8. Dr. Houssain Kettani **Advances in High Performance Computing and Their Impact on Smart Cities**	
3:10 – 3:30 PM	P2. Prof. Tarek El-Ghazawi, George Washington University, USA **High-End Computing and Smart Cities**	
3:30 – 3:50 PM	P6. Dr. Driss Benhaddou, University of Houston, USA **Living Building: a Building block of Smart city**	20 mins
3:50 – 4:15 PM	Coffee Break	
4:15 – 5:30 PM	Interactive panel discussion and brainstorming about key challenges and collaborative opportunities between US and Morocco.	75 mins

Day 2: International Conference On Smart Digital

Day 2: Saturday 22nd July 2017	
8:30 – 9:00 AM	Registration
9:00 – 9:50 AM	**Keynote speaker:** Dr. Tarek El-Ghazawi, George Washington University, USA, Chair of IEEE Ethics Committee **An Insight Into the Publication Process, Practice and Ethics** Session Chair: **Pr. Mohamed Essaaidi, ENSIAS Director, Mohammed V University of Rabat, Morocco**

9:50 – 10:20 AM	**Coffee break**
10:20-12:00 AM	**Oral Session 4 – SDE-4** Session Chair: **Dr. Ala Al-Fuqaha,** Western Michigan University, USA Room: Amphitheater X

Smart Campus Energy Management System: Advantages, Architectures, and the Impact of using Cloud Computing.

Hanaa Talei (AL Akhawayn University, Morocco), Driss Benhaddou (University of Houston, USA) and Mohamed Essaaidi (Mohammed V University, Morocco)

Node localization to optimize the MPR selection in smart mobile communication.

Mohammed Souidi, Ahmed Habbani, Halim Berradi (ENSIAS, Mohammed V University, Morocco) and Essaid Bilal (Mohammed VI Polytechnic University, Morocco)

Prediction of photovoltaic production for Smart Grid Energy Management using Hidden Markov Model: a study case.

Hasnaa Bazine and Mustapha Mabrouki (FST, Sultan Moulay Slimane University, Morocco)

Multi-path routing protocol in the Smart Digital Environment.

Chaimae Benjbara, Fatna El Mehdi, Ahmed Habbani (ENSIAS, Mohammed V University) and Bilal Essaid (Mohammed VI Polytechnic University, Morocco)

Smart Load-Balancing for Web Applications.

Gandhimathi Velusamy and Ricardo Lent (University of Houston, USA)

10:20-12:00 AM	**Oral Session 4 – SDE-4** Session Chair: **Dr. Essaid Bilal**, Mohammed VI Polytechnic University, Morocco Room: Amphitheater Y

Room Occupancy Estimation Through WiFi, UWB, and Light Sensors Mounted on Doorways.

Hessam Mohammadmoradi, Shengrong Yin and Omprakash Gnawali (University of Houston, USA)

SAS-IMS for Smart Mobile Security in IP Multimedia Subsystem.

Ayoub Bahnasse, Mohamed Talea, Fatima Ezzahraa Louhab (FS, Hassan II University, Morocco), Sara Laafar (Cadi Ayyad University, Morocco), Adel Harbi (FS, Hassan II University, Morocco) and Khiat Azeddine (ENSET-M, Hassan II University, Morocco)

Using BECAMEDA method to specify and verify a Smart Home system.

Abdelhay Haqiq and Bouchaïb Bounabat (ENSIAS, Mohammed V University, Morocco)

Comparison between GA and ACO for Emergency Coverage Problem in a Smart Healthcare Environment.

Meryam Benabdouallah and Chakib Bojji (ENSET-R, Mohammed V University, Morocco)

An Intelligent Islanding Selection Algorithm For Optimizing the Distribution Network Based on Emergency Classification.

Youssef Hamdaoui, Abdelilah Maach (EMI, Mohammed V University, Morocco)

12:00 - 13:05 PM	**Lunch**
13:10 - 14:50 PM	**Oral Session 5 – SDE-5**

	Session Chair: Dr. Faissal El Bouanani, Mohammed V University, Morocco Room: Amphitheater X

Analyzing Breast Tumor Heterogeneity To Predict The Response To Chemotherapy Using 3D MR Images Registration.

Mohammed El Adoui, Stylianos Drisis and Mohammed Benjelloun (University of Mons, Belgium)

Moisture vulnerability of antenna operation in UHF band.

Mounir El Mejjatti, Ahmed Habbani (ENSIAS, Mohammed V University, Morocco) and Bilal Essaid (Mohammed VI Polytechnic University, Morocco)

Automatic motion segmentation using random walks.

Idir Boulfrifi, Khalid Housni and Abdelaziz Mouloudi (FS, Ibn Tofail University, Morocco)

Time series analysis for Waste Quantities Prediction in a north African City.

Ismail Boulahna, Noha El Khattabi and Zouhir El Hadri (FS, Mohammed V University, Morocco)

Discrete Swallow Swarm Optimization algorithm for Travelling Salesman Problem.

Safaà Bouzidi and Mohammed Essaid Riffi (FS, Chouaib Doukkali University, Morocco)

13:10 - 14:50 PM	**Oral Session 5 – SDE-5** **Session Chair: Dr. Zouhair Guennoun,** Mohammed V University, Morocco Room: Amphitheater Y

Performance Analysis of mixed RF/FSO Communication System with the presence of Pointing Error Using the MGF-based Approach.

Elmehdi Illi, Faissal El Bouanani (ENSIAS, Mohammed V University, Morocco) and Fouad Ayoub (CRMEF-K, Morocco)

Using Markov Decision Process in cognitive radio networks towards the optimal reward.

Said Lakhal and Zouhair Guennoun (EMI, Mohammed V University, Morocco)

Application of MVDR and MUSIC Spectrum Sensing Techniques with Implementation of Node's Prototype for Cognitive Radio Ad Hoc Networks.

Soumaya El Barrak, Abdelouahid Lyhyaoui, Amina El Gonnouni (ENSAT, Abdelmalek Essaâdi University, Morocco), Antonio Puliafito and Salvatore Serrano (University of Messina, Italy)

Design and performance measurement of a digital embedded system implementing a I/Q demodulator for AoA range-based localization in underwater environment.

Redouane Es-Sadaoui and Jamal Khallaayoune (INPT, Morocco)

An Empirical Comparison of the Development History of CloudStack and Eucalyptus.

Ahmed Zerouali and Tom Mens (University of Mons, Belgium)

13:10 - 14:50 PM	**Poster Session 1** **Session Chair: Dr. Ahmed Habbani,** Mohammed V University, Morocco

Computer Vision Toolbox in the Cloud,

Sidi Ahmed Mahmoudi, Mohammed El Adoui, Mohammed Amin Belarbi, Mohammed Amine Larhmam and Fabian Lecron (University of Mons, Belgium)

Intelligibility of Erdös-Rényi Random Graphs and Time Varying Social Network Modeling.

Ali Hamlili (ENSIAS, Mohammed V University, Morocco)

Toward a merged approach for cross-platform applications (Web, Mobile, and Desktop). El Hassane Ettifouri, Abdelkader Rhouati, Jamal Berrich and Bouchentouf Toumi (ENSAO, Mohammed I University, Morocco)	
Protecting Medical Data in Cloud Storage Using Fault-Tolerance Mechanism. Mbarek Marwan, Ali Kartit and Hassan Ouahmane (ENSAJ, Chouaïb Doukkali University, Morocco)	
Study of security in MANET and evaluation of network performance using ETX metric. Fatna El Mahdi, Ahmed Habbani, Nada Mouchfiq (ENSIAS, Mohammed V University, Morocco) and Bilal Essaid (Mohammed VI Polytechnic University, Morocco)	
Dielectric and Optical Characterization of the New Material LiMn2O4 for the Use of Generation of Electrons. Souaad. Douafer (FES, Bejaia University, Algeria), H.Lahmar (FC, USTHB University, Algeria) and M. Benamira (MESB University, Algeria)	
15:20-15:50 PM	**Coffee Break**
15:50 - 17:30 PM	**Oral Session 6 – SDE-6** Session Chair: **Dr. Asmaa Hamyani**, Mohammed V University, Morocco Room: Amphitheater X
An analysis approach for distributed generation placement and sizing in power distribution system. Abderrahim Amar Mancour and Tamou Nasser (ENSIAS, Mohammed V University, Morocco)	
DTC-SVM Based on Active Disturbance Rejection Control Applied on Sensorless Induction Motor. Haitam Chalawane, Ahmed Essadki (ENSET, Mohammed V University, Morocco) and Tamou Nasser (ENSIAS, Mohammed V University, Morocco)	
Maximum Power Point Tracking using Fuzzy Logic based controllers compared to P&O technique in photovoltaic generator. Otmane Manari, Malika Zazi and Ihssane Chtouki (ENSET, Mohammed V University, Morocco)	
Optimization of Synthesis Parameters of Adaptive Generalized Predictive Control using Genetic Algorithms. Abdelaziz Mouhou, Abdelmajid Badri, Abdelhakim Ballouk and Yassine Sayouti (FSTM, Hassan II University, Morocco)	
15:50 - 17:30 PM	**Oral Session 6 – SDE-6** Session Chair: **Dr. Idriss Chana**, Moulay Ismail University, Morocco Room: Amphitheater Y
Generic approach to knowledge management from databases. Jakjoud Widad and Bahaj Mohamed (FST-S, Hassan II University, Morocco)	
The EOLES project remote labs across the Mediterranean – an example of a successful experience, Fahd Ouatik (Cadi Ayyad University, Morocco), Mohamed El Mohadab (Sultan Moulay Sliman university), Mustapha Raoufi, Mohamed Skouri Ouatik (Cadi Ayyad University, Morocco) and Belaid Boukheilen (Sultan Moulay Sliman university)	
Meta-Recommender Approach using Meta-Knowledge. Nadia Boufardi, Ouafae Baida, Abdelfettah Sedqui and Abdelouahid Lyhyaoui (ENSAT, Abdelmalek Essaâdi	

University, Morocco),

Information Sharing in UAVs Cooperative Search Based on calculating the Minimum Time.

Hassan Saadaoui and Faissal El Bouanani (ENSIAS, Mohammed V University, Morocco)

Topic and sentiment model applied to the colloquial Arabic: A case study of Maghrebi Arabic.

Taoufiq Zarra, Raddouane Chiheb, Rajae Moumen, Rdouan Faizi and Abdellatif El Afia (ENSIAS, Mohammed V University, Morocco)