Conference Program SITA’20  
September 23 and 24, 2020 INPT, Rabat.

**DAY 1 : WEDNESDAY SEPTEMBER 23RD, 2020**

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| 9H00-10H      | Opening Ceremony | Room Link  
-M. Ministre de Ens. Sup.  
- M. Ministre de l'Industrie  
- M. DG ANRT  
- Directrice CNRST  
- M. Président de Univ. Med V  
- Mme Présidente de Univ. H2  
- Doyen FST Mohammedia  
- Directeur EMI  
- Directrice ENSIAS  
- Directeur INPT  
- Président AMSI, Président SITA20 et Membre Comité Permanent SITA | Room Link                                      |
| 10H15-11H30   | Session 1.1 | Decision Making and Simulation 1  
**Modérateur : A. Idri, O. El Beqqali**  
RCAR Framework: Building a Regularized Class Association Rules Model in a Categorical Data Space, Azmi Mohamed and Abdelaziz Berrado  
Towards Amazon Fake Reviewers Detection: The Effect of Bulk Users, Youssef Esseddiq and Noureddine Kerzazi  
ECG-based Arrhythmia Classification & Clinical Suggestions: An Incremental Approach of Hyperparameter Tuning, Mohamed Adel Serhani, Alramzana Nujum Navaz, Hany Al Ashwal and Nabeel Al-Qirim  
Towards mining Semantically Enriched Configurable Process Models, Aicha Khannat, Hanae Sbai and Laila Kjiri  
Multi-Label Classification: A Novel approach using decision trees for learning Label-relations and preventing cyclical dependencies, Hamza Lotf and Mohammed Ramdani | Room Link                                      |
| 11H30-12H30   | Session 1.2 | Big Data & Advanced Analytics  
**Modérateur : Z. Bakkoury, N. C. Benabdellah**  
A Frequency-Category Based Feature Selection in Big Data for Text Classification, Houda Amazal, Mohammed Ramdani and Mohamed Kissi  
SPM: Preparing Hierarchical Data Structures for Schema Matching, Aola Yousfi, Moulay Hafid Elyazidi and Ahmed Zellou  
Towards a Data Quality Assessment in Big Data, Oumaima Reda, Imad Sassi, Ahmed Zellou and Samir Anter  
Democracy in the time of social media: towards a standard, Abderrazzak Cherkaoui, Omar El Beqqali and Salim Alami | Room Link                                      |
| 14H-15H       | Keynote 1  | Room Link  
**Modérateur : M. Bellafkih**  
A.I. for Face Analysis and Generation  
Pr. Mohamed Daoudi, IMT Lille Douai, CRIStAL Laboratory (UMR CNRS 9189). | Room Link                                      |
| 15H-16H       | Session 1.3 | Smart E-Learning 1  
**Modérateur : A. Naji, A. Haddi**  
Recommender System to Support MOOCs Teachers: Framework based on Ontology and Linked Data, Hanane Sebbaq and Nour-Eddine El Faddouli  
The hybrid recommendation of digital educational resources in a distance learning environment: the case of MOOC, Hamid Slimani, Hamal Oussama, Nour-Eddine El Faddouli, Samir Bennani and Naila Amrous | Room Link                                      |
### 16h05-17h05 Session 1.4

**Decision Making and Simulation 2**  
**Modérateur : A. Janati, D. Zaidouni**

**Predicting Ships Estimated Time of Arrival based on AIS Data**, Sara El Mekaoui, Loubna Benabbou and Abdelaziz Berrado

**Evaluating Ongoing Decision Support System: A case study**, Khaoula Boukhayma, Mohammed Abdou Janati Idrissi and Lamia Benhiba

**An implementation of a multivariate discretization for supervised learning using Forestdisc**, Haddouchi Maissae and Berrado Abdelaziz


**Break**

### 17h15-18h15 Session 1.5

**Decision Making and Simulation 3**  
**Modérateur : M. Ramdani, A. Baina**

**Comparison of MCDM Methods for Multi-Echelon Inventory System Selection Problem**, Noucaiba Sbai, Loubna Benabbou and Abdelaziz Berrado

**A Framework for Feature-Level Sentiment Analysis based on frequent itemset mining**, Soukaina Fatimi, Chama El Saili and Larbi Alaoui

**A novel interpretable model for solar radiation prediction based on adaptive fuzzy clustering and linguistic hedges**, Khalid Bahani, Hamza Ali-Ou-Salah, Moujabbir Mohammed, Benyounes Oukarfi and Mohammed Ramdani

**Neural networks for learning and analyzing preferences for multi-criteria services**, Imane Haddar, Brahim Raouyane and Mostafa Bellafkih

### 18h15-19h Session 1.6

**Networking and Telecommunications 1**  
**Modérateur : B. Raouyane, M. Lahby**

**Design and Development of a Microstrip Patch Antenna Array for Rectenna System**, Salah Ihlou, Hafid Tizi, Abdelmajid Bakkali, Ahmed El Abbassi and Jaouad Foshi

**Self-tuning PID of the solenoid response based on a squeezer fiber**, Zahidi Abdellah, Amrane Said, Azami Nawfel and Nasser Naoual

**Security Challenges of Wireless Body Area Networks: Threats and Solutions**, Boukri Khalil, Najib Naja and Elmostafa Belmekki

### 19h-19h45 Session 1.7

**Smart E-Learning 2**  
**Modérateur : A. Zellou, N. El Faddouli**

**Detecting the Learner's Motivational State in Online Learning Situation: Towards Adaptive Learning Environments**, Mohammed Amraouy, Abdellah Bennane, Aziza Benomar, Mohammed Majid Himmi and Jallal Talaghzi

**Language representation learning models: A comparative study**, Sanae Achsas and El Habib Nfaoui

**Recommender E-Learning platform using sentiment analysis aggregation**, Jamal Mawane, Naji Abdelwahab and Mohammed Ramdani
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<td>Use of formative assessment to improve the online teaching materials content</td>
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<td>quality, Zarqtouni Maryem, Haddi Adil and Allali Hakim</td>
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**BREAK** 11h35-13h20

**LUNCH BREAK**
**14h-15h Session 2.3**

**Networking and Telecommunications 2**

- **Modérateur : A. Tribak, A. Errais**, OMT design based on Boifot Orthomode junctions for satellite communication applications in the Ku band, Abdellah El Kamili, Abdelwahed Tribak, Jaouad Terhzaz and Angel Mediavilla
- Latent Graph Predictor Factorization Machine (LGPFM) for modelling feature interactions weight, Abdessamad Chanaa and Nour-Eddine El Faddouli
- Optimized Switch-Controller Association For Data Center, Mohamed Janati Idrissi and Mohammed Raiss El Fenni
- Tunable Monopole Antenna in the Sub-6 GHz Spectrum for Picocell Base Stations, Aicha Bembarka, Abdelwahed Tribak, Hamza Nachouane and Larbi Setti

**15h-16h Session 2.4**

**Security and Networking**

- **Modérateur : A. Mezrioui, M. Belmekki**, A Qualitative-Driven Study of Irreversible Data Anonymizing Techniques in Databases, Siham Arfaoui, Abdelhamid Belmekki and Abdellatif Mezrioui
- Data Flooding Intrusion Detection System for MANETs Using Deep Learning Approach, Oussama Sbai and Mohamed Elboukhari
- Evaluation of security risks using Apriori algorithm, Wissam Abbass, Amine Baina and Mostafa Bellafkih
- Multi Level interdependencies Management for resilience in Critical Infrastructures, Ouafae Kasmi, Amine Baina and Mostafa Bellafkih

**16h15-17h15 Session 2.5**

**Software Engineering**

- Identifying Software Cost Attributes of Software Project Management in Global Software Development: An Integrative Framework, Manal El Bajta and Ali Idri
- Business Intelligence and SOA based architecture for e-government system interoperability, Oumkaltoum Barakat and Omar Elbeqqali

**17h15-18h Session 2.6**

**Internet of Things & Networking**

- Smart Energy Management for Fog-Enabled IoT Network, Salah Eddine Essalhi, Mohammed Raiss El Fenni and Houda Chafnaji
- ARG-RPL: Arrangement Graph-, Region-Based Routing Protocol for Internet of Things, Abdellatif Serhani, Najib Naja and Abdellah Jamali

**18h10 Closing Ceremony**

**Awards and Closing**