

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

DAY 1 : WEDNSDAY SEPTEMBER 23TH, 2020

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

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 Nouredine 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

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

LUNCH BREAK

14H-15H KEYNOTE I

Modérateur : M. Bellafkih

[Room LINK](#)

A.I. for Face Analysis and Generation

Pr. Mohamed Daoudi, IMT Lille Douai, CRISTAL Laboratory (UMR CNRS 9189).

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

Online Adaptive learning: Review, limitations and recommendations, Jallal Talaghzi, Abdellah Bennane, Aziza Benomar and Mohammed Majid Himmi

Automatic Prediction Of Learning Style Based On Prior Knowledge Using IRT And FSLM, Samia Rami, Samir Bennani and Mohammed Khalidi Idrissi

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 Mekkaoui, 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

Evaluation of Classic Descriptors coupled to Support Vector Machine Classifier for Phosphate ore Screening monitoring, Laila El Hiouile, Ahmed Errami, Nawfel Azami, Radouane Majdoul and Laurent Deshayes

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, Nouçaiba Sbai, Loubna Benabbou and Abdelaziz Berrado

A Framework for Feature-Level Sentiment Analysis based on frequent itemset mining, Soukaina Fatimi, Chama El Sali 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 Tizyi, 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

DAY 2 : THURSDAY SEPTEMBER 24TH, 2020

9H-10H KEYNOTE II

Modérateur : A. Berrado

[Room LINK](#)

Smart Connected Health : Trends, Technologies and Key Challenges,
Pr. Adel Serhani, UAE University

10H-11H30 SESSION 2.1

LANGUAGE PROCESSING

Modérateur : A. Yousfi, M. Kissi

Construction of an accurate automatic lexicon for Arabic sentiment analysis, Ibtissam Touahri and Azzeddine Mazroui

Construction of a database for speech recognition of isolated Arabic words, Ahmed Boumehdi and Abdellah Yousfi

Comparison between the morphological analyzers based on graph and the one based on surface patterns, Iazzi Said, Yousfi Abdellah and Bellafkih Mostafa

Comparative study of Arabic text categorization using feature selection techniques and four classifier models, Bahassine Said, Abdellah Madani and Mohamed Kissi

K-means, HAC and FCM. Which clustering approach for Arabic text? Lahbib Ajallouda, Fatima Zahra Fagroud, Ahmed Zellou and El Habib Benlahmar

An Efficient Lightweight Algorithm for Automatic Identification of Meters in Arabic Poetry, Karim Baina and Hamza Moutassaref

BREAK

11H35-13H20 SESSION 2.2

MACHINE LEARNING AND APPLICATIONS

Modérateur : A. Bekkhoucha, A. Mahmoudi

SHAMan: an intelligent framework for HPC auto-tuning of I/O accelerators, Sophie Robert, Soraya Zertal and Gael Goret

State of the art of Fairness, Interpretability and Explainability in Machine Learning: Case of PRIM, Rym Nassih and Abdelaziz Berrado

Deep Learning Approach for Forecasting Athletes' Performance in Sports Tournaments, Hadeel El-Kassabi, Khaled Khalil and Mohamed Adel Serhani

Bank Failure Prediction: A Deep Learning Approach, Youness Abakarim, Lahby Mohamed and Abdelbaki Attioui

Business Process Modelling Augmented - Model Driven transformation of User Stories to Processes, Karim Baina, Mahmoud El Hamlaoui and Hibatallah Kabbaj

Customer Segmentation With Machine Learning: New Strategy For Targeted Actions, Lahcen Abidar, Dounia Zaidouni and Abdeslam Ennouaary

Use of formative assessment to improve the online teaching materials content quality, Zarqtouni Maryem, Haddi Adil and Allali Hakim

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 Bellaflkih

Multi Level interdependencies Management for resilience in Critical Infrastructures, Ouafae Kasmi, Amine Baina and Mostafa Bellaflkih

16H15-17H15 SESSION 2.5

SOFTWARE ENGINEERING

Modérateur : L. Cheikhi, O. Beggar

Test Generation Tool for Modified Condition/Decision Coverage: Model Based Testing Approach, Mounia Elqortobi, Amine Rahj, Jamal Bentahar and Rachida Dssouli

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

A Review of Open Source Software Maintenance Effort Estimation, Chaymae Miloudi, Laila Cheikhi and Ali Idri

17H15-18H SESSION 2.6

INTERNET OF THINGS & NETWORKING

Modérateur : A. Ennouaary, S. Bah

Analysis and evaluation of communication Protocols for IoT Applications, Sidna Jeddou, Amine Baina, Abdallah Najid and Hassan El Alami

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 Abdallah Jamali

18H10 CLOSING CEREMONY

AWARDS AND CLOSING