

# Program June 19

## 9H - 10H WELCOME AND REGISTRATION 10H - 11H OPENING SPEECH

Mrs. Awatif Hayar, President of University Hassan II, Casablanca.

Mr. Mohamed Ali Habouba, Governor of Berkane.

Mrs. Hakima Fasly, Deputy Mayor of Casablanca.

Mr. Mohammed Talbi, Dean of Faculty of Science Ben M'sick.

Mr. Abdelaziz Marzak, Director of the TIM Laboratory.

Organization Committee.

## 11H - 11H30 RECENT ADVANCES IN AI: IMPLICATIONS ON THE CITY OF THE FUTURE

Dr. K. EL MAGHRAOUI (Principal Research Scientist, IBM)

Moderator : Dr. E. BENLAHMAR

## 12H - 13H SESSION 1 : SMART CITY SYSTEMS

Moderators : Dr. A. TRAGHA, Dr. E. BENLAHMAR

12h00 I. Ezzahoui, R. Ait Abdelouahid, K. Taji and A. Marzak , The Aquaponic Ecosystem Using IoT and IA Solutions.

12h15 K. Omari, S. Harchi, M. Moussetad and E. Labriji, An Evaluator of Serious Games.

12h30 A. Taj, Comparative Study of Traditional, Simulated and Real Online Remote Laboratory: Students' Perceptions in a Technical Training of Electronics.

12h45 L. Alaoui, R. Ait Abdelouahid, A. Marzak and A. Lakhouili, A smart urbanism management platform: Case of aménagement regulations.

## Lunch Break

## 14H30 - 15H SMART GOVERNANCE FOR SUSTAINABLE CITY : CASE OF BERKANE CITY

Mr. M. LKAHAL(CEO SDL Marafik Berkane)

Moderator : Dr. K. MANSOURI

## 15H10 - 15H50 DIGITAL TRANSFORMATION OF CASABLANCA CITY

MR. N. OUARADI (CEO SDL CASA NUMERIC)

Moderator : Dr. A. MARZAK

## 16H00 - 16H45 SESSION 2 : INFORMATION TECHNOLOGIES AND COMPUTER SCIENCE

Moderators: Dr. S. ELFILALI, Dr. A. BELANGOUR

16h00 F. Abakarim and A. Abenaou, Speaker recognition system using the adaptive orthogonal transform method.

16h15 O. Benkhadda, M. Saih, K. Chaji and A. Reha, Design and Analysis of a RFID Reader Microstrip Array antenna for IoT Applications in Smart Cities.

16h30 M. Elghayyaty, A. Wahbi, O. Mouhib, A. EL Habti EL Idrissi, L. Hlou and A. Hadjoudja, Contribution to the Design and Optimization of New Embedded Chien Search Block for Reed-Solomon (RS) and Bose-Chaudhuri-Hocquenghem (BCH) Codes in Communications Systems.

# Program June 20

## 10H - 10H30 ABOUT PHYLOGENETIC LEARNING FOR AI

Mr. J. GLAFKIDES (DataValoris Founder and Researcher)

Moderator : Dr. L. MOUSSAID

## 10H40 - 11H10 THE DIGITALIZATION OF THE BANKING SECTOR, "BANQUE POPULAIRE" FEEDBACK

Mr. J. TATE (CEO in BCP)

Moderator : Dr. A. TRAGHA

## 11H20 - 11H50 SMART URBAIN MOBILITY

Dr. L. OUKHALLOU (Research Director in FISTT)

Moderator : Dr. F. OMARY

## 12H - 13H SESSION 3 : DATA MINING AND BIG DATA

Moderators : Dr. R. SAADANE, Dr. K. ACHTAICH

12h00 A. Erraissi and A. Belangour, Using of Model Driven Engineering to transform Big Data query languages to MapReduce jobs.

12h15 A. Fahfouh, J. Riffi, M. Adnane Mahraz, A. Yahyaouy and H. Tairi, Deceptive Opinion Spam based On Deep Learning.

12h30 A. Jadli, M. Hain and A. Chirgui, Towards a Handwritten Documents Validation System using a Deep Learning Approach.

12h45 I. Sadgali, N. Sael and F. Benabbou, Unbalanced data for improving deep learning classification.

## 12H- 13H SESSION 4 : DATA MINING AND BIG DATA

Moderators : Dr. N. SAEL, Dr. S. NOUH

12h00 T. Hamim, F. Benabbou and S. Nawal, Student profile modeling using Boosting algorithms.

12h15 H.Toumi, F. Fagroud, A. Eddaoui, E. Benlahmar and M. Talea, Clustering algorithms: Comparison using WEKA.

12h30 N. Hamdoun and K. Rguibi, How Machine Learning is Transforming Insurance Sector: Case of Fraud Detection in Morocco.

12h45 M. Bouhlal, K. Aarika, R. Ait Abdelouhid, E. Benlahmar and S. El Filali, Machine Learning Algorithms For Data Classification.

## 13H - 14H EXHIBITIONS OF INNOVATIVE EXPERIENCES

Moderators : Dr. S. OUAHABI, Dr. A. BENIHSSANE



Information Technology and Modeling Laboratory in Collaboration with LAMS and L3A Laboratories Organize

# 2<sup>nd</sup> INTERNATIONAL WORKSHOP on Innovative Smart City Technologies WISCT'2020



## JUNE 19-20, 2020

## Casablanca, Morocco



Join us on

19 June - 09H - 13H

<https://eu.bbcollab.com/guest/943d602fbef044e19b94dbca8212dc5e>

19 June - 14H - 17H

<https://eu.bbcollab.com/guest/40110d66c5c24f9787e176e736f0cdf2>

20 June - 10H - 14H

<https://eu.bbcollab.com/guest/cf1f38a6c1904aaeb3846f1181405c3f>

20 June - 12H - 13H

<https://eu.bbcollab.com/guest/922a1dcf76644ce28e468ba6e6c01618>

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Dr. Ahmed zellou (ENSIAS, Rabat Morocco)  
Dr. Fadoua Ataa allah (IRCAM, Rabat-Morocco)  
Dr. Hassania MESDOUAD (EHTP, Casablanca- Morocco)

## CONTACT

WISCT2020@gmail.com  
<https://wisct2020.sciencesconf.org/>

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Mr the Dean of Faculty of Science Ben M'sick.

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Soultana Abdelfettah (FSBM, Casablanca)

## PRESENTATION

Today, several cities around the world takes advantage of new information and communication technologies to ensure their progress, improve sustainability, create development, and improve the quality of life of citizens. This urban revolution is responsible for ensuring better communication, more efficient urban services such as transport, education and health and more effective energy management. Thanks to new technologies and artificial intelligence, smart cities will become more innovative and frugal by reinventing the concepts of governance, public services and urban spaces to include social cohesion and citizen participation.

## OBJECTIVES OF THE WORKSHOP

- bring together industry experts and researchers to discuss and interchange about the real needs and preconditions of a smart city.
- It is also an opportunity for academic researchers to present and share their experiences and research results on all aspects of smart cities and innovative technologies.
- Provides a platform for researchers, practitioners and educators to present and discuss the latest innovations, trends and smart cities.

## TOPICS

- Smart City Systems
- Information Technologies and Computer Science technologies
- Data Mining and Big Data

## KEYNOTE SPEAKERS

Dr. Kaoutar El Maghraoui (Principal Research Scientist and AI Hardware Center Testbed Lead, IBM Research).  
Mr. Najib Ouradi (CEO SDL Casa NUMERIC).  
Mr. Mhamed Lkaihal (CEO SDL Marafik Berkane).  
Mr. Jamal Tate (CEO in Banque Centrale Populaire ).  
Mr. Jean-Patrice Glafkids (DataValoris founder and researcher).  
Dr. Latifa Oukhellou (Research Director in the French Institute of Science and Technology for Transport).