Title : Smart system for Forecasting the Crops adaptation to the risks of climate change for a sustainable development of the agricultural sector.

<div align="center">

Biography

</div>

Prof. Dr**. Mostafa Ezziyyani,** Received the Bachelor's degree in computer science in 1994, the "Graduate Diploma in Computer Science" degree in 1996 and the first PhD degree in "Information System Engineering from Mahmmeed V University in Rabat, Morocco. He received the second PhD degree in 2006, From Abdelmalek Essaadi University" in Distributed Systems and Data Technologies. In 2008 he received a Researcher Professor **Ability Degree** and since 2017 he holds the position of full professor at Computer Science Department. He is member Mathematics and Applications laboratory (MAL) and responsible of the research direction Data Science and Digital Transformation, he formed a research team that works around this theme and more particularly in the area of integration of heterogeneous systems, Data Science, Artificial Intelligence and decision support systems and new technology for communication. His research activities focus on the modeling databases and integration of heterogeneous and distributed systems (with the various developments to the big data, data sciences, data analytics, system decision support, knowledge management, object DB, active DB, multi-system agents, distributed systems and mediation). This research is at the crossroads of databases, artificial intelligence, software engineering and programming.

He is president of International Scientific Council of Logistics and Transport (CELT) and of College of Engineering (CoE) and president of Arabic African Foundation on Science and Technology Transfer (A2S2T Foundation). He received the first WSIS prize 2018 for the Category C7: ICT applications: AQ1 E-environment, First prize: MtG—ICC in the regional contest IEEE - London UK Project: "World Talk", The qualification to the final (Teachers-Researchers Category): Business Plan Challenger 2015, EVARECH UAE Morocco. Project: «Integrated Sink with Smart Circuit Faucet for water conservation», First prize: Intel Business, Challenge Middle East and North Africa—IBC-MENA. Project: «Intelligent Preventive System for the Control and Monitoring in Real Time of Medicinal Plants in the Process of Growth (PCS: Plants Control System)», Best Paper: International Conference on Software Engineering and New Technologies. Paper: «Disaster Emergency System Application Case Study: Flood Disaster».

He has authored three patents: (1) device and learning process of orchestra conducting (e-Orchestra), (2) built-in washbasin with intelligent circuit tap for water preservation. (LIRCI) (3) Device and method for assisting the driving of vehicles for individuals with hearing loss. He is the editor and coordinator of several projects with Ministry of Higher Education and Scientific Research and others as international project; he has been involved in several collaborative research projects in the context of ERANETMED3/PRIMA/H2020/FP7 framework program including project management activities in the topic modelling of distributed information systems reseed to environment, Health, energy and agriculture. The first project aims to propose an adaptive system for flood evacuation. This system gives the best decisions to be taken in this emergency situation to minimize damages. The second project aims to develop a research dynamic process of the itinerary in an events graph for blind and partially signet users. Moreover, he has been the principal investigator and the project manager for several research projects dealing with several topics concerned with his research interests mentioned above.

He was an invited professor for several countries in the world (USA, UK, France, Spain

Belgium, Holland, Romania, China, Algeria, Sudan, Djibouti, Egypt, and Tunisia). He is member of USA-J1 program for TCI Morocco Delegation in 2007. He creates strong collaborations with research centers in databases and telecommunications for students' exchange: LIP6, Valencia, Poitier, Boston, Houston, China.

He is the author of more than 150 papers which appeared in refereed specialized journals and symposia. He was also the editor of the book "New Trends in Biomedical Engineering", AEU Publications, 2004. He was a member of the Organizing and the Scientific Committees of several symposia and conferences dealing with topics related to computer sciences, distributed databases and web technology. He has been actively involved in the research community by serving as reviewer for technical, and as an organizer/co-organizer of numerous international and national conferences and workshops. In addition, he served as a program committee member for international conferences and workshops.

He is also the founder and the current chair of the blinds and partially signets people association. His activity interests focus mainly on the software to help the blinds and partially signet people to use the ICT, specifically in Arabic countries. He is the founder of the private centre of training and education in advanced technologies AC-ETAT, in Tangier since 2000.