

Conférence :

Titre : L'Intelligence des savoirs face à l'intelligence de l'imagination : outils et perspectives.



Abdelhamid Mellouk (Full-time Professor at University of Paris-Est Creteil (UPEC)), CIEEx2 (via National Commission), Networks & Telecommunications (N&T) Department, IT-Health High School Engineering Department and TincNET research team (<http://tincnet.fr/>), France. He graduated in computer network engineering from the Computer Science High Eng. School, University Oran1 (ex. Senia), Algeria, in DEA computer science from jointly the University of Paris Sud XI Orsay (Université Paris Saclay), received his Ph.D. in informatics from the same

establishment, and a *Doctorate of Sciences* (Habilitation) diploma from UPE. He is an active member of the IEEE Communications Society and held several offices including leadership positions in IEEE Communications Society Technical Committees. He has published/coordinated seventeen books in IT areas and more than 250 several refereed international publications in journals, conferences, books, in addition to numerous keynotes and plenary talks in flagship venues. He serves on the Editorial Boards or as Associate Editor for several journals (including IEEE CST and IEEE TVT), and he is chairing or has chaired (or co-chaired) some of the top international conferences and symposia (including IEEE ICC and IEEE GlobeCom). He is also the founder of Network Control Research and Curricula activities at UPEC and President of several other scientific institutions, including the Policies and Programs commission at the Algerian *National Council for Scientific Research and Technologies*, FR *Haut Conseil de l'Evaluation de la Recherche et de l'Enseignement Supérieur* (HCERES) Expert, FR National University Council (CNU) member and co-President of *Data Science-Artificial Intelligence Systematic Deep Tech Cluster*.

Expert invited to the last GFAI (Global Forum of Artificial Intelligence for Humanity), held in Paris in 2019 under the high authority of the president of the republic, bringing together 200 international experts in the field of artificial intelligence, following the recommendations of the last G7, Abdelhamid Mellouk was also one of the co-writers in 2019 of the Artificial Intelligence-Algeria plan, under the umbrella of Algerian DGRSDT and MESRS, which led, among other things, to the creation of 2 national schools in this field in Sidi Abdallah in Algeria. His research work has been pioneering in the field of neural networks and artificial intelligence where his doctoral thesis, presented in 1994, had put forward the so-called neuronal techniques designed for automated systems, the invention of a continuous automatic speech recognition system, based on predictive *Time Delay Neural Networks* (TDNN), considered among the first systems designed in the implementation of predictive neural networks for speech recognition. He has received several scientific distinctions including the «Distinguished Technical Achievement Award», obtained in 2020 by the IEEE Communication Society due to his scientific work and he is the Director of a new book collection series edited jointly by ISTE and Wiley. He has directed and supported over 25 doctoral thesis that have resulted in more than 250 scientific publications.

Current duties:

- University Full-Time Professor, (CIEEx2, the highest French academic degree, obtained by national competition)
- Director of IT4H Department
- President of the permanent commission "Politics and Programs" in CNRST High Council, Algerian President of the Republic, in charge of Higher education, Research and Innovation
- President of International SaCoNeT Network Think Tank
- DSAI.Systematic.EU European Deep Tech Cluster (Co-President "Data Science & Artificial Intelligence")
- Wiley/Iste/Springer.NGN-Collection Scientific Books (Director "New Generation Networks" Series)
- ARC-WG.SAGIP.FR (Head) & ARC-WG.MACS.CNRS.FR (member), (CNRS-SAGIP French National Working Group Head)
- CoDEV.CAPS.SACLAY (French High Council for Saclay-Orsay-Gif-Palaiseau Deep tech Cluster Member)
- CNU.FR, (French National University Evaluation Council Member)
- HCERES.FR & <https://www.bpifrance.fr/> (French High Council Deputy Scientific Advisor)