
RESEARCHER IN SPOTLIGHT

Autonomous intelligence: An advance level in modern technology

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Editorial Office, Journal of Autonomous Intelligence

The editorial office of Journal of Autonomous Intelligence introduces our prestigious Editor-in-Chief Prof. Dr. Michel Cotsaftis and highlights his achievements, struggles and adaptations towards new innovations in the field of intelligent development of modern technology, along with his future plan for the journal.

Prof. Michel Cotsaftis is the director of Undergraduate Scientific Research Program at ECE Paris, a generalist engineer undergraduate. He received his scientific degrees (Msc and PhD) at University of Ecole Polytechnique Paris (EPP) which is 59th rank in QS world university rankings (2018).

He is a former Associate Professor of the University of Tampere, Finland. In 2007, Tampere University of Technology honoured him for his excellence in academic achievements along with Dr. Zhores Alferov, an academician and a Nobel Prize winner from Russia. Prof. Cotsaftis was also a former scientific advisor at the US Department of Energy, as well as previously a Professor at University of California, a scientific advisor at Direction of Advanced Technologies (DTA) and a professor at Paris University in charge of advanced technology problems for modern scientific research.

“Since experimentally proven confirmation of existence of a very broad ensemble of systems called ‘complex’, and the behaviour of which escapes from simple binary logics of all mechanistic or all statistical developed over the last three centuries, a huge theoretical and numerical effort has been made mainly during the last ten years with relatively disappointing results to catch up their specific character despite interesting developments on the methods,” says Prof. Michel Cotsaftis.

Prof. Cotsaftis conducts studies on dynamics and control of “Complex Systems”, the worldwide research subject for intelligent development of

modern technology, for the mastery of natural new states of matter and for the understanding of living systems. After thorough robustness analysis, he has been recently involved in next step top decisional aspect of complex systems behaviour dealing with still difficult problem of splitting decision of action between the system and supervising (human) operator. “I am currently developing very promising applications in health problems for patients suffering from severe communication deficiency caused by neurologic diseases such as cerebral palsy, Charcot disease and autism,” says the professor.

Prof. Cotsaftis has written more than 200 scientific papers. As a visiting professor, he has given many lectures at universities on his current research, and he has delivered lectures at numerous conferences. Prof. Cotsaftis has also authored the book “Comportement et Contrôle des Systèmes Complexes” (*The behaviour and control of complex systems*) in 1997. He has been involved in R&D programs with international mining and oil companies, and he received the US International Nova Award in 2001 for direct industrial application of his theoretical findings.

In addition, he authored books especially for Springer and Elsevier Publishers. He has been recently awarded a €1.5million grant for developing new teaching methods he proposed for undergraduate students, and which have shown remarkable efficiency with complete success of 120 publications in the seven major subjects taught in the school, all accepted in refereed scientific international conferences and journals over last four years.

Prof. Michel Cotsaftis, as Editor in Chief targets the journal to be included in SCI index within three years. He designed aim and scope for the journal in order to synchronise with advancement in the field of Autonomous Intelligence.