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NEURAL NETWORK DRIVE SUPPER ARTIFICIAL INTELLIGENCE BASED ON INTERNET OF THINGS AND BIG DATA

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With today's growing information and overloading of its volume, it is becoming tremendously difficult to analyse the huge amounts of data that contain the information and makes it very strenuous and inconvenient to introduce an appropriate methodology of decision making fast enough to the point that it can be, considered as real time. The demand for real time processing information and related data both structured and unstructured is on the rise and consequently makes it harder and harder to implement correct decision making at enterprise level to keep the organization robust and resilient against either man made threats or natural disasters. Today's campaign against any cyber-attack has put a huge demand on cyber security and on information security folks at different levels of any organization. Therefore, processing incoming data as sets of information becomes more and more critical. Furthermore, the data are often, imprecise and will include both quantitative and qualitative elements. For these reasons it is important to extend traditional decision making processes by adding intuitive reasoning, human subjectivity and imprecision. To enhance this process of decision-making, these authors have taken an unorthodox approach by applying a new growing technology known as neural network as part of driving infrastructure for artificial intelligence system to take over from human being in order to satisfy the demand for real time decision making.

BIOGRAPHY

Bahman Zohuri is currently at the University of New Mexico as Associate Research Professor and Consultant at Sandia National Lab as well as Galaxy Advanced Engineering, Inc., a consulting company that he stared himself in 1991 when he left both semiconductor and defense industries after many years working as a Chief Scientist. After graduating from University of Illinois in field of Physics and Applied Mathematics, he joined Westinghouse Electric Corporation where he performed thermal hydraulic analysis and natural circulation for Inherent Shutdown Heat Removal System (ISHRS) in the core of a Liquid Metal Fast Breeder Reactor (LMFBR) as a secondary fully inherent shut system for secondary loop heat exchange. He has published more than 25 papers in reputed journals and has been serving as an Editorial Board Member of reputed journals.

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