Professor Dr. Prabhas Chongstitvatana

Prabhas Chongstitvatana is a professor in the department of computer engineering, Chulalongkorn University. He earned B.Eng. in Electrical Engineering from Kasetsart University, Thailand in 1980 and Ph.D. from the department of artificial intelligence, Edinburgh University, U.K. in 1992. His research involves robotics, evolutionary computation, computer architecture, bioinformatics. He is a lifetime member of Thailand Engineering Institute, senior member of Thai Academy of Science and Technology, senior adviser of Thai Robotics Society, founding member of Thai Embedded System Association and IEEE Robotics and Automation Society. He was the president of ECTI Association of Thailand 2012-2013. He has been awarded "National Distinguished Researcher" by National Research Council of Thailand in 2009. His current interest is in building Quantum computer.

Machine Learning Trends for Big Data

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One of the most powerful technique to create artificial intelligence is Machine Learning. Recently, there are several achievements by Machine Learning that compete with human experts successfully. With these encouragements, a lot of interest and investment have been poured into this field with promising results. In this talk, I will explain the basic technique of Machine Learning, especially Deep Learning and Convolutional Neural Network. This form of Machine Learning can digest huge amount of data and creates mathematical models that can be used to perform classification and prediction tasks. The application for this ability to learn from large data has been exploit in many projects. I will illustrate a number of examples and discuss the current trend.