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Cognitive Computing: Basic Concepts & the Possible Impact in the Industries, Cities & Nations

Abstract

The history of Computer Sciences has already created a lot of successful examples of positive impact in many areas of the modern civilization. From people to countries, the technology applied through the use of computers, the Information Technology, has created not only individual wealthiness but also great progress on extensive regions of some countries. The Silicon Valley may well be the best illustration to these concepts.

Now, after going through an ancient period focusing calculation and more recently in programming, we are now entering the new era of cognition. This new era, called Cognitive Computing, may well start another wave of great impact, achieved by people, companies, cities and countries, provided that the basic concepts are understood and a proper preparation to create a robust ecosystem is put in place.

At this presentation, the speaker will approach the recent most concepts of Cognitive Computing, both theoretical and applied, and the impact in the production methods of industries in general. The elements to create a robust ecosystem will be also analyzed, with emphasis in the participation of the private sector, the education entities and the govern.

The content delivered in the presentation is intended to foster reflection, discussion and creativity around the compelling topic of Cognitive Computing.

Biographical Sketch

Fábio L. Gandour Fabio Gandour, 62years old, graduated in Medicine in 1975 and post-graduated in Computer Sciences in 1989. Prior to his admission in IBM, he has been dedicated to research in the field of Congenital Malformations in a partnership agreement with IBM Brasil Scientific Center. Started working in IBM on February, 1990 as Senior Health Industry Specialist. In 1996 he became the Health Industry Executive Manager in IBM Latin America and has been accepted as member of the IBM Academy of Technology and the New York City Academy of Sciences. From 1999 to 2000, he has been responsible for the Healthcare Marketing & Sales in the IBM Latin America organization. In 2001 he has been asked to set up a new department focused on Emerging/New Technologies in IBM Brazil. In this position, he had the mission of promoting the use of new technologies to create value for IBM customers, working in association with the IBM Research Division. At that time, the Brazilian InfoExame

magazine considered Fabio Gandour one of the Top 10 Influencers in the field of Information Technology. In 2008 he became the IBM Brasil Chief Scientist. In this position he has been fully devoted to the project of installing a full fledged IBM Research Lab in Brazil, which has been announced in June, 2010. Dr. Gandour is known as an innovation evangelist and a famous speaker about Science & Technology. He has made more than 100 presentations to various audiences, covering from corporate executives to non-technical people. He is currently dedicated to Cognitive Computing.