Special Session on

Cognitive Computing Systems

**As part of**

the International Conference on Communication, Management and Information Technology (ICCMIT 2016).

APRIL 26-29, 2016

COSENZA -ITALY

**Organizered by**

|  |  |
| --- | --- |
|  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Prof. Dr. Taymoor Nazmy**  Vice dean FCIS, Ain Shams University, Cairo  [ntaymoor19600@gmail.com](mailto:ntaymoor19600@gmail.com)  Cognitive Computing (CC) is a cutting-edge paradigm of intelligent computing methodologies and systems based on cognitive informatics, which implements computational intelligence by autonomous inferences and perceptions mimicking the mechanisms of the brain. Cognitive computing systems are the application of computing power to penetrate and analyze the complexity of Big Data in hopes of solving so-called soft problems—that is, problems that are layered and ambiguous in nature. These problems are usually ambiguous and uncertain with ever-changing sets of data and, most importantly, with no singularly correct answer.  Cognitive Computing systems may include topics related the the main catogries; Cognitive Computing , Cognitive Informatics, and cognitive Communications,  **which include the following topics**:   * Cognitive knowledge representation * Big data cognition * Autonomous machine learning * Neural models of memory * DNA and genome cognition * Cognitive linguistics * Abstract intelligence (αI) and AI * Cognitive sensors and networks * Cognitive information fusion * Cognitive agent technologies * Cognitive machine learning * Cognitive semantics * Cognitive mobile systems * Semantic computing  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | International Technical Program Committee Lindemann G., Humboldt University of Berlin, Germany.  Iman Osta, Lebanese American University, Beirut, Lebanon  Hesham N. Elmahdy, Faculty of Computers and Information, Cairo Univ, Giza, Egypt  Evgenia Vassilakaki , Dept. Library Science and Information Systems, Athens, Greece  Elena Nechita,Vasile Alecsandri  University,Bacau, Romania  Maria Mach-Krol, University of Economics in Katowice,Poland  Abdel Rahman Alzoubaidi, Al-Balqa Applied University ,Salt, Jordan  Elzbieta Wyslocka , Czestochowa University of Technology, Poland  Ettarres Yamna,  University of Manouba, Tunisia  Yehia Helme, Helwan University, Egypt  Csaba Szabó, Technical University of Kosice, Slovakia  P.Rajendran Me, Knowledge Institute Of Technology,Tamilnadu, India    **Submission of papers:**  To The Session organizers, according the instrctutions in the following site.  <http://www.iccmit.net/PaperSubmission16.html>  **Important Dates**   |  |  | | --- | --- | | **Paper submission deadline** | **1 March 2016** | | **Notification of acceptance** | **15 March 2016** | | **Camera ready and registration** | **30 March 2016** | | **Conference Date** | **26-29 April 2016** | | |