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KW IEEE COMPUTATIONAL INTELLIGENCE SOCIETY,  
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Presents

**Challenging Problems in *Web Intelligence* and  
*Socially-Relevant Complex Systems* Research**

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**Abstract:**

The aim of my talk is to introduce our current efforts in the research areas of *Web Intelligence* and *Socially-Relevant Complex Systems*. I will first outline the fundamental research themes and issues that are presently being addressed in a joint initiative put forward by a group of researchers from the fields of Web Intelligence (WI), Ubiquitous Intelligence (UI), Brian Informatics (BI), and Cyber Individuals (CI). Next, I will discuss some examples of challenging problems in complex systems research (e.g., in modeling diseases and health systems) that we have been pursuing recently, and would also like to extend a call for interdisciplinary participations/collaborations, due to their urgent, socially-relevant nature.

**Bio-Sketch:**

Jiming Liu is Associate Dean of Science (Research) and Chair Professor in Computer Science at Hong Kong Baptist University (HKBU). He was Professor and Director of School of Computer Science at University of Windsor, Canada. Prof. Liu received B.Sc. from East China Normal University, Shanghai, M.A. from Concordia University, and M.Eng. And Ph.D. in Electrical Engineering from McGill University, Montreal. Before 1994, he held full-time R&D positions at Computer Research Institute of Montreal (CRIM), Virtual Prototypes Inc. (VPI), and Knowledge Engineering Tech. Inc. in Canada. Prof. Liu's current research focuses on computational approaches to Complex Systems Modeling, Complex Networks, Web Intelligence, and Multi-Agent Autonomy Oriented Computing (AOC). He has contributed to the scientific literature in those areas. Prof. Liu received the *President's Award for Outstanding Performance in Scholarly Work* at HKBU in 2007, and was named 2011 *IEEE Fellow* for contributions to Web Intelligence and Multi-Agent Autonomy Oriented Computing. Prof. Liu has served as Editor-in-Chief of *Web Intelligence and Agent Systems*, Associate Editor of *IEEE Transactions on Knowledge and Data Engineering*, *IEEE Transactions on Systems, Man, and Cybernetics, Part B*, and *Computational Intelligence*, Editorial Board Member of several international journals. He is Chair of IEEE Computer Society Technical Committee on Intelligent Informatics and Co-Director of Web Intelligence Consortium.

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