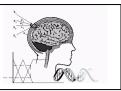


International



Innovation in Knowledge Based and Intelligent Engineering Systems

INVITED SESSION SUMMARY

Title of Session: Business Economics and Agent-based Modeling Name of Chair: Prof. Hiroshi Takahashi, Keio University, Japan (htaka@kbs.keio.ac.jp) Co-Chair: Prof. Setsuya Kurahashi, Japan International University, Japan Prof. Takao Terano, Chiba University of Commerce, Japan Details of Session: This organized session aims to discuss the cutting-edge techniques for business economics through agent-based modelling and their applications to business task domains. Business Economics, Business Informatics, Serious Game, and Data Analysis have been successfully applied to various problems such as management systems, finance, service sciences, manufacturing industries, and so on However, the concepts of business economics and agent based systems to enhance the capabilities of conventional techniques have not been investigated adequately. Our focus on business economics is to manage the issues of firms and organizations for getting profit on interaction with human- and computer- mixed systems, while such a focus is also fundamental for agent-based research for complex but bounded rational business environments. The main purpose of this session on `Business Economics and Agent-based Modelling' is to bring together the communities of Business Economics. Machine Learning and Agent-based Modeling to exchange latest results, to join efforts in solving the common challenges, to establish effective communication between researchers and developers involved in both areas to create a worthwhile synergy. The topics include but are not limited to: **Business Informatics Business Economics Financial Economics** Agent-Based Computational Economics & Finance Agent-Based Computational Organizational Theory **Business Informatics** Issues and Case Studies on Business and Finance Problems Gaming Simulation on Social and Business Problems Collective Intelligence and Human Computation on Social Problems Participatory Design and Simulation on Social Problems Simulators for Macroeconomic Policy Valuation and Asset Pricing Corporate Governance and Regulation Discrete Choice Models in Economics and Management Sciences Emergence and Dynamics of Norms and Conventions Financial Market models and Auction Dynamics of Complex, Social and Economic Networks **Complexity and Market Dynamics** Health and Infectious Diseases Power Market and Consumer Market Analysis **Knowledge Management** Machine Learning and Data Analysis

Empirical Analysis on Managerial Decision Making Information Security Innovation and Corporate Valuation

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