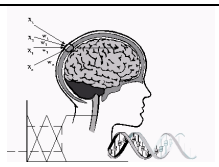
International
Innovation in Knowledge Based and Intelligent Engineering Systems



INVITED SESSION SUMMARY

Title of Session:
Business Economics and Agent-based Modeling

Name of Chair:
Prof. Hiroshi Takahashi, Keio University, Japan (htaka@keio.jp)
Co-Chair:
Prof. Takao Terano, Chiba University of Commerce, Japan
Prof. Setsuya Kurahashi, Tokyo Kasei Gakuin University, 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 Economics
Business Informatics
Financial Economics
AI Agent
Agentic AI
AI Governance
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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