The International Journal of Organizational and Collective Intelligence (IJOCI) focuses on computing theories and empirical analyses of organizational intelligence and collective intelligence. The mission of its publication is to provide researchers and practitioners in the communities of computer and information sciences with a forum to advance the research on “organizational intelligence and collective intelligence”, i.e., intelligent computing for organizational and collective information. The Journal reflects the current technical achievements in a variety of solutions which are to bring an issue whether their applications to enterprises and organizations are proper solutions from not only technical but also institutional aspects.

The organizational intelligence and collective intelligence are cross-disciplinary subjects of challenge-based research on modern computer science, which demand trans-disciplinary solutions given by not any single theory or application but integration and implementation of individual solutions discussed below as exemplary but not exhausted:

- Soft Computing in Organizations
- Game Theoretic and Information Economic Analysis
- Data Mining and Knowledge Bases for Organizational Management
- Classification and Clustering
- Optimization
- Machine Learning
- Neural Networks, Bayesian Networks, Fuzzy Techniques and Systems
- Genetic Algorithms and Evolutionary Computing
- Self-organizing and Complex Systems
- Knowledge Discovery
- Service Computing
- Organizational Systems, Middleware, Applications and Experiences
- Semantic Web Architecture and Applications
- Intelligent Web-based Systems
- Intelligent Agents and Multi-Agent Systems
- Decision Science, Decision Making Theory and Modeling
- Decision Support Systems and Crisis Management Systems
- Collaboration and Communication Systems
- Artificial Intelligence for Organizational Management
- Security and Access Control
- Machine and Computer Vision
- Robotics for Intelligent Organizations

This inaugural issue of the Journal consists of five articles contributed by invited experts of distinguished records in the areas of collective intelligence and organizational intelligence computing theories and systems:

Epaminondas Kapetanios endows a reliable definition to Collective Intelligence (CI) as one of the most eminent researchers in that computing paradigm in his article, On the Notion of Collective Intelligence: Opportunity or Challenge?. Dr. Kapetanios discusses a historical and contextual view of CI through its many related disciplines including biology, sociology, natural and environmental sciences, physics, etc. in conjunction with computer science. His full exploration on current strengths and weaknesses of CI-related
computational and system engineering design and implementation methodologies of CI-based systems gives a variety of case studies which are directed towards the Social Web, as a very prominent example of synergistic interactions of a group of people as a platform for the emergence of truly CI-based systems of diverse applications in cultural and professional backgrounds.

Dickson K.W. Chiu, Shing-Chi Cheung, Sven Till, Lalita Narupiyakul and Patrick C. K. Hung discuss a framework for B2B process collaboration with three layers: collaboration requirements layer, business rule layer and system implementation layer in their article, Enhancing E-service Collaboration with Enforcement and Relationship Management: a Methodology from Requirements to Event Driven Realization. Those layers allow users to specify the cross-organizational requirements of e-service processes and define detailed knowledge of process collaboration requirements as business rules in a unified Event-Condition-Action (ECA) form with technical support of event collaboration interfaces by contemporary Enterprise JavaBeans and Web Services. Dr. Chiu and his Group give a seamless definition to, enact and enforce B2B process collaboration with conceptual models of various layers in the Unified Modeling Language (UML) and a running example based on a supply-chain process and evaluate our approach from the perspective of three main stakeholders of e-collaboration, namely users, management, and systems developers.

Yukio Ohsawa, Akinori Abe and Jun Nakamura discuss a methodology for sensing values in existing/new events and items in the real life as “Chance discovery”, which focuses on new events significant for human decision making in their article, Chance Discovery as Analogy based Value Sensing. Professor Ohsawa and his Group are to enable the innovation of various artificial systems, where human’s talent of analogical thinking comes to be the basic engine with introduction of the games for training and activating this talent for chance discovery by discussing the experimental results of these games on the logical framework of analogical abductive reasoning.

Takeshi Takenaka, Nariaki Nishino, Kousuke Fujita, Tsukasa Ishigaki, and Yoichi Motomura discuss trans-disciplinary approaches for implementation of service design and reflection on consumers’ values and decision making in their article, Transdisciplinary approach to service design based on consumer’s value and decision making. With the recent research trends of services and proposes, Professor Takenaka and his Group propose a research framework to integrate computer sciences, human sciences, and economic sciences, and present three study examples of services: an multi-agent simulation of a cell phone market based on the results a psychological survey; a cognitive model constructed by the integration of questionnaire data of a retail business and Bayesian network modeling; and, the price mechanism design of a service using an economic experiment and agent based simulation.

Yin-Leng Theng discusses tertiary students’ perceptions of their acceptance of social tools like weblogs and instant messaging in facilitating collaborative and collective learning with the aim of tapping onto the collective intelligence of user communities, in her article, Students’ Perceptions and Acceptance: Lessons from Two Studies on Social Tools on Collaborative and Collective Learning. Professor Theng has shown that factors influencing the acceptance of social tools for learning are dependent on learners’ perceptions of usefulness, followed by usability of the social tools. She gives design implications for socially constructed learning environments in the participatory culture of user-generated content in which socially constructed and collective intelligence is to be harnessed.

On behalf of our associate editors, general counselor and reviewers, I would like to particularly appreciate all those who have encouraged and supported us to commence this challenging project to introduce a brand new title in the trans-disciplinary areas of collective intelligence computing and organizational intelligence computing. We hope our audience may enjoy this promising Journal as an everlasting forum for its academic exploration, so help us God.

June 1st, 2009

Hideyasu Sasaki
Editor-in-Chief
International Journal of Organizational and Collective Intelligence (IJOCI)
Hideyasu Sasaki, PhD.& Esq. is the editor-in-chief of the International Journal of Organizational and Collective Intelligence (IJOCI). Professor Sasaki is a graduate of the University of Tokyo, BA and LL.B., in 1992, 1994, received an LL.M., from the University of Chicago Law School in 1999, an MS and a PhD in cybernetic knowledge engineering (media and governance) with honors from Keio University in 2001, 2003, respectively. He is an associate professor at Department of Information Science and Engineering, Ritsumeikan University, Kyoto, Japan. He was an assistant professor at Keio University from 2003 to 2005. His research interests as a computer scientist include decision science and intelligence computing, especially mathematical modeling of collaborative group decision making under time constraint. Dr. Sasaki has also experienced lawyering and litigations as Attorney-at-Law in N.Y., U.S.A. He also serves as an associate editor at the International Journal of Systems and Service-Oriented Engineering (IJSSOE) and has served as a reviewer for the Journal of Information Sciences, Elsevier, in 2008, 2009 and ACM Transactions on Knowledge Discovery from Data (KDD) in 2008. He is active in program committees of international conferences: the ACM International Conference on Management of Emergent Digital EcoSystems (MEDES), the International Conference on Internet and Web Applications and Services, Workshop on Social and Legal Aspects under Emerging Computing Environments (ICIW/SLAECOE), the International Conference on Asian Digital Libraries (ICADL), the International Workshop on Legal Aspects of Information Systems (LAoIS), etc.