

Complex Structure and Systems

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<http://www.ies-2014.org/>

There are many real network such as Internet, social networks, citation networks, infection network, diffusion network, and bank networks. And many scientists have modeled and developed methods to help us understand the behavior of systems. In this field, we seek to explain models of network growth and dynamical processes taking place on networks.

It is said that there is much to be done by M. E. J. Newman in this field. First, while we are beginning to understand some of the patterns and statistical regularities in the structure of real world networks, our techniques for analyzing networks are at present no more than a grab-bag of miscellaneous and largely unrelated tools. Second, there is much to be done in developing more sophisticated models of networks, both to help us understand network topology and to act as a substrate for the study of processes taking place on networks.

This invited session seeks high-quality original and unpublished papers in the following topics including but not limited to these topics:

- Agent-based modeling
- Collective action
- Dynamical systems
- Economics and market
- Ecosystem
- emergence
- Evolutionary system
- Game theory
- Human societies
- Immune system
- Information theory
- Risk management system
- Social network

Session Co-Chairs:

Saori IWANAGA: Japan Coast Guard Academy, Japan

Akira Ishii: Tottori University, Japan

List of potential authors and their affiliations:

- Kiyotaka Ide and Akira Namatame, National Defense Academy
- Hiroshi Sato, National Defense Academy
- Saori Iwanaga, Japan Coast Guard Academy
- Akira Ishii, Tottori University
- Masao Kubo, National Defense Academy