

# Kyoto University-Durham University Joint International Symposium:

*Emergence and Feedback  
in Physical and Social Systems*



**Period: November 27-29 (Tue-Thrs), 2012**

**Venue: ICR Seminar Hall, Kyoto University**

**(Uji, Kyoto 611-0011, Japan)**

**organized by *Kyoto University***

*(Institute for Chemical Research, International Research Unit of Integrated Complex System Science, Institute of Economic Research, Yukawa Institute for Theoretical Physics)*

**and *Durham University***

*(Department of Physics, Department of Mathematical Sciences, Department of Theology and Religion, Department of Economics, Durham University International Office)*

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**Scope:** In both nature and human society, the complex interactions between constituent elements create a field for individual elements. Consequently, the behavior of the overall system is governed by nonlinear feedbacks between the ensemble of the elements and the individual elements. Emergence of chaos in nature and sudden changes of economy in the human society are good examples of the dynamic phenomena governed by such nonlinear feedback. The symposium aims at developing our understanding of the universality in dynamic phenomena in the nature and human society with the keywords of “emergence and feedback”.

## **Lecturers**

Kazuo Nishimura, Kazumichi Iwasa, Hisao Hayakawa, Shigehiro Nagataki, Takashi Taniguchi, Masahiro Chigira, Hiroshi Mamitsuka, Hiroshi Ishikita, Kazuhiro Nagata, Jun Ohkubo

Mehmet Asutay, Christopher Davidson, Stewart Clark, Tom Lancaster, Thomas McLeish, David Petley, Nicholas Saul, Robin Hendry, Seth Kunin, Patrick Hussey, Adam Benham, Phillip Garnett, David Roberts

**contact:** Hiroshi Watanabe (*Symposium Secretary*): [hiroshi@scl.kyoto-u.ac.jp](mailto:hiroshi@scl.kyoto-u.ac.jp)

