

Economic Networks: a Physicist's View

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2018 **10/3** 15:00
- 16:30

Large Meeting Room,
2F Welfare and Conference Building
RIKEN Wako Campus



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Economic phenomena occur on networks formed by agents, such as firms and financial institutions. In order to understand the dynamic nature of economy, we need to understand structures of those networks and interactions between economic agents on it. In this talk, I will review several important research results on this theme, most of which uses Japanese rich, actual (not simulated) network data, including trade (production) network of about one million firms. Community structures, simulation of effect of natural disasters, new methodology required for such inquiry are some of the topics to be covered.

