

El Grupo de Ciencia de Datos de la División de Ciencias Básicas e Ingeniería
les invita a la Sesión No. 8 de su

Seminario de Ciencia de Datos

Presentando al

Dr. Hiroshi Kori

Department of Complexity Science and Engineering,
The University of Tokyo

quien nos hablará sobre

Tackling Complex Dynamics in Biology and Chemistry with Phase Oscillator Models



Mathematical models are essential for understanding complex phenomena in a variety of systems, ranging from biology to engineering. In many cases, simpler models provide better understandings and deeper insights. For coupled oscillators, phase oscillator models provide a simple and useful platform not only to understand but also to predict and control complex dynamics in reality. In this talk, after illustrating the basics of phase oscillator models, I will introduce several studies on chemical and biological oscillations tackled with phase oscillator models. Topics include feedback control of synchronization dynamics, precise oscillation out of noisy oscillators on networks, and jet lag.

📅 **22 de abril**

🕒 **19:00 horas, Ciudad de México**

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