

Time and Space in Non-Equilibrium Materials

~Exploring the Relations of Time and Space~

Many systems around us, glass, precursor of crystals, metals, foods and even bacteria are in dynamic non-equilibrium states. These states are the source of diverse functions and behaviors in materials. This symposium explores the potential for understanding, controlling, and innovating material design and function from the novel perspective of "the inseparability of time and space" in non-equilibrium materials.



Date:

Wednesday, August 13, 2025 15:00 - 16:30



Venue: 202B Epochal Tsukuba

(Tsukuba International Congress Center)

Program (Invited speakers)

15:00 - 15:05: Opening Remarks & Symposium Introduction

M. Ono (Tohoku Univ.)

15:05 - 15:20: Kinetics of Zeolite Crystallization from Amorphous Sources

T. Wakiyara (The Univ. of Tokyo)

15:25 - 15:40: Data Science for Non-Equilibrium Materials

R. Tamura (National Institute of Materials Science)

**15:40 - 15:55: Development of Advanced Quantum Beam Techniques toward
Spatio-Temporal Characterization of Nonequilibrium materials**

K. Kimura (Nagoya Inst. Tech.)

**15:55 - 16:10: Decoding Temporal Dynamics from Spatial Landscape:
Examples from Iron Corrosion and Somen Noodles**

Y. Takayama (Tohoku Univ.)

16:10 - 16:25: Spatio-Temporal Dynamics of the Bacterial Flagellar Motor

S. Nakamura (Tohoku Univ.)

16:25 - 16:30: Closing Remarks

Visit our website



Registration



Free for PNCS attendees !!

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