

# Interdisciplinary Seminar

Research Introductions in multi-disciplinary fields  
and Impact of International Experiences

学際分野における研究紹介と国際経験が研究に及ぼす影響



Professor Hsiu-Yu Yu  
(National Taiwan University)



Professor Signe SEIDELIN  
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Prof. Marceline BONVALOT  
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Co-director of J-FAST)

Date and Time: Thursday, November 13, 2025 13:00-16:00 (Japan Standard Time)  
Venue: Room 0110, Advanced Research Building B

～ Agenda ～

|             |                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13:00～13:45 | Prof. Marceline BONVALOT<br>【原子スケールの精度で極薄膜の形成を可能にするコールドプラズマプロセス】<br>“Cold plasma processes as a key enabler for ultra-thin films with atomic-scale precision in placement and thickness”          |
| 13:45-14:30 | Professor Signe SEIDELIN<br>【ハイブリッド量子システム：機械共振器を用いた量子状態の実現に向けて】<br>“Hybrid quantum systems: towards quantum states with mechanical resonators”                                                    |
| 14:30～14:45 | 休憩                                                                                                                                                                                                |
| 14:45～15:30 | Professor Hsiu-Yu Yu<br>【高分子における機械学習アプローチ：順方向予測と逆探索】<br>“Machine Learning Approaches in Polymers: Forward Prediction and Inverse Discovery”                                                       |
| 15:30～16:00 | Ms. Yen-Ting Hsu (国立台湾大学 大学院生)<br>【線状高分子メルトの粗視化モデルに関する統合的研究：構造とダイナミクスへの洞察】<br>“Integrative Investigation of Coarse-Grained Models for Linear Polymer Melts: Insights into Structure and Dynamics” |