

# CHiMaD Phase Field Methods XIV

CHiMaD Workshop Series

## REGISTER

OCTOBER 25 - 27, 2022 | In-person @ CHiMaD HQ & Virtual

### Organizers

Jon Guyer (NIST) . James Warren (NIST) . Peter Voorhees (NU) . Begum Gulsoy (NU)

Central Time	October 25
12:00PM - 01:00PM	<b>Welcome &amp; Lunch: Goals of the Workshop</b> Jon Guyer (NIST - US)
01:00PM - 01:30PM	<b>Benchmark proposal on Anisotropic Curvature Driving Force</b> Martin Minar (KU Leuven - Belgium) - Virtual
01:30PM - 04:00PM	<b>Phase Field Best Practices Working Session (cont. discussion from PFXIII)</b>
04:00PM - 04:30PM	<b>Comments of Homogenous Nucleation Benchmark</b> Jose Mancias (Texas A&M University)
04:30PM - 05:00 PM	<b>Lightning Talks</b>
5:00PM+	<b>Dinners-to-stay-and-discuss-more or to-go</b>
Central Time	October 26
09:00AM - 10:00AM	<b>High-performance Phase-field Computing in GPU Supercomputer</b> Tomohiro Takaki (Kyoto Institute of Technology - Japan)
10:00AM - 11:00AM	<b>Python Programming for GPU Computing of Phase-field models: from Cahn-Hilliard Equation to Phase-field Crystal Model</b> Akinori Yamanaka (Tokyo University of Agriculture and Technology - Japan)
11:00AM - 01:00PM	<b>Lunch</b>
01:00PM - 03:00PM	<b>New Upload Scheme for PFHub Benchmark Submissions</b> Daniel Wheeler & Trevor Keller (NIST - US)
03:00PM - 03:30PM	<b>Coffee Break</b>
03:30PM - 04:00PM	<b>Triple Junction Benchmark for Multiphase-field and Multi-order Parameter Models</b> Simon Daubner (KIT - Germany) - Virtual
04:00PM - 04:30PM	<b>Simulating Microgalvanic Corrosion in Alloys Using PRISMS Phase-Field Framework</b> Vishwas Goel (University of Michigan - US)
04:45PM - 06:45PM	<b>Posters &amp; Networking Social</b>
Central Time	October 27
09:00AM - 09:30AM	<b>PFC Benchmark Proposal</b> Tatu Pinomaa & Napat (Mick) Vajragupta (VTT Research Center - Finland) - Virtual
09:30AM - 10:30AM	<b>Community Discussion on Benchmark Proposals</b> Jon Guyer (NIST - US)
10:30AM - 11:00AM	<b>New PFC Model</b> Matthew Frick (McGill University - Canada) - Virtual
11:00AM - 12:00PM	<b>Next Steps &amp; Wrap Up</b> Jon Guyer (NIST - US)
12:00PM	<b>Adjourn &amp; Lunches-to-go</b>

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