



**PHASE FIELD METHODS VIII**  
**Workshop**

NORTHWESTERN UNIVERSITY

CHIMAD.NORTHWESTERN.EDU  
April 23-25, 2019

**Agenda**

**Phase Field Workshop VIII**

April 23-25, 2019

**Tuesday, April 23, 2019**

*CHiMaD HQ, Hogan Building, Suite 1160*

- 12:00 PM – 1:00 PM** Registration & Informal Kickoff Lunch
- 1:00 PM – 1:15PM** **Welcome & Goals of Workshop**  
*Olle Heinonen*
- 1:15 PM – 2:15PM** **Phase Field and Fracture**  
*Blaise Bourdin*
- 2:15 PM – 2:30 PM** Break
- 2:30 PM – 3:30 PM** **Issues/Review of Nucleation Theory**  
*Tamas Pusztai and Laszlo Granasy*
- 3:30 PM – 3:45 PM** **Goals for Breakout Sessions**
- 3:45 PM – 5:30 PM** **Breakout Sessions**  
*CHiMaD HQ, Mudd Library Rooms 2174 and 2176*
- 5:30PM – Later** **Reconvene, Break for the Evening, Beer and Dinner on our own**

**Wednesday, April 24, 2019**

*CHiMaD HQ, Hogan Building, Suite 1160*

- ~ 8:30AM** Shuttle from Hilton Orrington to CHiMaD HQ  
*[please check with hotel for final times]*
- 8:45 AM** Breakfast
- 9:00 AM – 11:00 AM** **Breakout Sessions**  
*CHiMaD HQ, Mudd Library Rooms 2174 and 2176*
- 11:00 AM – 12:00 PM** Reconvene
- 12:00 PM – 1:00 PM** Lunch
- 1:00PM – 3:00 PM** **Breakout Presentations**
- 3:00 PM – 3:15 PM** Break
- 3:15 PM – 4:00 PM** **Breakout Discussions**
- 4:00 PM – 5:00 PM** **Machine Learning, Uncertainty Quantification and Phase Field**  
*Raymundo Arroyave*
- 5:00PM** Workshop Reception

**Thursday, April 25, 2019**

*CHiMaD HQ, Hogan Building, Suite 1160*

**~ 8:30AM**

*Shuttle from Hilton Orrington to CHiMaD HQ  
[please check with hotel for final times]*

**8:45 AM**

*Breakfast*

**9:00 AM – 9:30 AM**

**Updates – Benchmark Problems, PFHub**  
*Olle Heinonen, Daniel Wheeler*

**9:30 AM – 10:30 AM**

**Annual Review of Materials Research Review of Phase Field**  
*Mike Tonks*

**10:30 AM – 10:45 AM**

*Break*

**10:45 AM – 12:00 PM**

**Wrap-up Discussion, What's Next?**

**12.00 PM**

*Adjourn & Boxed Lunch*

**Logistics**  
**Phase Field Methods VIII**  
April 23-25, 2019

**Workshop Location**

*CHiMaD Headquarters*

Hogan Building, Suite 1160  
Northwestern University  
2205 Tech Drive  
Evanston, IL 60208

**Registration:** <https://victoriafonseca.wufoo.com/forms/chimad-phase-field-methods-viii-registration/>

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**Parking Information**

*North Campus Parking Garage*

2311 North Campus Drive  
Evanston, IL, 60208

If driving, please park at the North Garage, and take a ticket as you enter. Validation tickets will be available at CHiMaD Headquarters, see *Victoria Fonseca* to obtain a validation ticket.

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**Hotel & Shuttle Information**

*Hilton Orrington*

1710 Orrington Ave  
Evanston, IL 60201

Block Code: PV8

Cut-off Deadline: **April 5**

A shuttle is available to the workshop, but you are also welcome to walk if you prefer. Please see the map on the next page for locations.

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**Reimbursements**

Please contact *Victoria Fonseca*, [victoria.fonseca@northwestern.edu](mailto:victoria.fonseca@northwestern.edu) for details.

