



Summer School on Computational Materials Science Across Scales
College Station, Texas, USA
July 22 – Aug. 3, 2018

Program Schedule

Sunday – July 22, 2018

6:30 PM – Welcome Reception Meet & Greet

Monday - July 23, 2018

8:30 AM – Introduction to the 2018 Summer School

9:00 AM – **First-Principles Statistical Mechanics**

Anton Van der Ven, University of California, Santa Barbara (USA)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Tuesday - July 24, 2018

8:30 AM – **Phase Field Method**

Jon Guyer, National Institute of Standards and Technology (USA)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Wednesday – July 25, 2018

8:30 AM – **Dislocation Dynamics (DD)**

Sylvie Aubry, Lawrence Livermore National Laboratory (USA)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Thursday – July 26, 2018

8:30 AM – **Molecular Dynamics (MD)**

Michael Demkowicz, Texas A&M University

12:45 PM – Lunch

2:00 PM – Instructional Lab

Friday – July 27, 2018

8:30 AM – **Materials Informatics**

Chris Borg, Citrine Informatics (USA)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Saturday – July 28, 2018

Sunday – July 29, 2018

Monday, July 30, 2018

8:30 AM – **Self-consistent and Spectral Polycrystal Plasticity Modeling**
Ricardo Lebensohn, Los Alamos National Laboratory (USA)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Tuesday – July 31, 2018

8:30 AM – **Micromechanics of Heterogeneous Solids**
Foudil Meraghni, Ecole Nat. Sup-Arts et Metiers (France)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Wednesday – Aug. 1, 2018

8:30 AM – **Integrated computational materials engineering (ICME)**
Sheng Yen Li, National Institute of Standards and Technology (USA)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Thursday – Aug. 2, 2018

8:30 AM – **Computational Materials Design**
Pedro Rivera-Diaz, Lancaster University (UK)

12:45 PM – Lunch

2:00 PM – Instructional Lab

Friday – Aug. 3, 2018

8:30 AM – Lab time

12:45 PM – Lunch

2:00 PM – Lab time

6:00 PM – Closing Reception