



Summer School on Computational Materials Science Across Scales

College Station, Texas, USA
July 24 – Aug. 4, 2017

Program Schedule

Sunday – July 23, 2017

6:30 PM – Welcome Reception Meet & Greet – 105 H.R. Bright Bldg.

Monday - July 24, 2017

Classes will be held in Room 202 Reed McDonald Building

8:30 AM – Introduction to the 2017 Summer School

9:00 AM – Georges Chatzigeorgiou (ENSAM - ARTS ET METIERS ParisTech):
Micromechanics of Heterogeneous Solids

12:45 PM – Lunch

Instructional Labs will be held in Room 2109 of the Chemistry Building-Chan Wing

2:00 PM – Instructional Lab

Tuesday - July 25, 2017

8:30 AM – Peter Entel (University of Duisburg-Essen, Germany): Quantum
Mechanics

12:45 PM – Lunch

2:00 PM – Instructional Lab

Wednesday – July 26, 2017

8:30 AM – Jacques Besson/Yazid Madi (MINES ParisTech): Micromechanics of
Fracture

12:45 PM – Lunch

2:00 PM – Instructional Lab

Thursday – July 27, 2017

8:30 AM – Sylvie Aubry (Lawrence Livermore National Laboratory, USA): Discrete
Dislocation Dynamics

12:45 PM – Lunch

2:00 PM – Instructional Lab

Friday – July 28, 2017

8:30 AM – Jon Guyer (National Institute of Standards and Technology, USA):
Phase Field Method

12:45 PM – Lunch

2:00 PM – Instructional Lab

6:00 PM – Sponsored dinner for participants and instructors – TBD

Saturday – July 29, 2017

Day trip to NASA Johnson Space Center, Houston, Texas, for interested
participants (\$30/person)
Houston Premium Outlets, Houston, Texas

Monday, July 31, 2017

8:30 AM – Anter El-Azab (Purdue University, USA): Continuum Dislocation
Dynamics

12:45 PM – Lunch

2:00 PM – Instructional Lab

Tuesday – Aug. 1, 2017

8:30 AM – Turab Lookman (LANL): Advanced Materials Informatics for Optimal
Materials Discovery and Design

12:45 PM – Lunch

2:00 PM – Instructional Lab

Wednesday – Aug. 2, 2017

8:30 AM – Julia Ling (Citrine Informatics): Practical Materials Informatics with
Citrination Platform

12:45 PM – Lunch

2:00 PM – Instructional Lab

Thursday – Aug. 3, 2017

Students will spend the day in the lab to revisit the practical of their choosing for
additional practice

8:30 AM – Lab time

12:15 PM – Group Photo (steps of the J.K. Williams Admin. Bldg.)

12:45 PM – Lunch

2:00 PM – Lab time

Friday – Aug. 4, 2017

8:30 AM – Pedro Rivera (University of Cambridge, UK): Computational
Thermodynamics/Kinetics

12:45 PM – Lunch

2:00 PM – Instructional Lab

6:00 PM – Sponsored dinner for participants and instructors – Paolo's Italian
Kitchen