Summer School on Computational Materials Science Across Scales
College Station, Texas, USA
July 18-29, 2016

Program Schedule

Sunday – July 17, 2016
6:00 PM – Welcome Reception Meet & Greet – Activity Center, Gardens Apartments (250 Calvin Moore Ave)

Monday - July 18, 2016
Classes will be held in Room 202 of the Reed-McDonald Building
8:30 AM – Introduction to the IIMEC Summer School
9:00 AM – Fodil Meraghni/Dimitris Lagoudas (ENSAM - ARTS ET METIERS ParisTech/Texas A&M University): 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 19, 2016
8:30 AM – Pedro Rivera/Raymundo Arroyave (University of Cambridge, UK/Texas A&M University): Computational Thermodynamics/Kinetics
12:45 PM – Lunch
2:00 PM – Instructional Lab

Wednesday – July 20, 2016
8:30 AM – Jacques Besson/Amine Benzerba (MINES ParisTech/Texas A&M University): Micromechanics of Fracture
12:45 PM – Lunch
2:00 PM – Instructional Lab

Thursday – July 21, 2016
8:30 AM – Jon Guyer (National Institute of Standards and Technology, USA): Phase Field Method
12:45 PM – Lunch
2:00 PM – Instructional Lab
**Friday – July 22, 2016**
8:30 AM – Moono Rhee (Lawrence Livermore National Laboratory, USA): Discrete Dislocation Dynamics
12:45 PM – Lunch
2:00 PM – Instructional Lab
6:00 PM – Sponsored dinner for participants and instructors – Razzoo's Cajun Cafe

**Saturday – July 23, 2016**
Day trip to NASA Johnson Space Center in Houston, Texas, for interested participants ($25/person)

**Monday, July 25, 2016**
8:30 AM – Anter El-Azab (Purdue University, USA): Continuum Dislocation Dynamics
12:45 PM – Lunch
2:00 PM – Instructional Lab

**Tuesday - July 26, 2016**
8:30 AM – Tahir Cagin (Texas A&M University, USA): Molecular Dynamics
12:45 PM – Lunch
2:00 PM – Instructional Lab

**Wednesday - July 27, 2016**
8:30 AM – David McDowell (Georgia Institute of Technology, USA): Basis for MD Simulations of Nanoscale Mechanisms and Nanostructured Materials/ Fundamentals of Multiscaling and Coarse Graining Methods
12:45 PM – Lunch
2:00 PM – Instructional Lab

**Thursday - July 28, 2016**
*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 - July 29, 2016
8:30 AM – Peter Entel (University of Duisburg-Essen, Germany): Quantum Mechanics
12:45 PM – Lunch
2:00 PM – Instructional Lab
6:00 PM – Sponsored dinner for participants and instructors – Paolo's Italian Kitchen