



CENTER FOR INTELLIGENT
MULTIFUNCTIONAL MATERIALS
& STRUCTURES
TEXAS A&M ENGINEERING EXPERIMENT STATION



MATERIALS SCIENCE
& ENGINEERING
TEXAS A&M UNIVERSITY



TEXAS A&M
UNIVERSITY

Summer School on Computational Materials Science Across Scales College Station, Texas, USA June 29 – July 10, 2020

Program Schedule

Sunday – June 28, 2020

10:00 AM – Meet & Greet – Via Zoom

****NOTE: Classes start at 10:00 AM and end at 2:00 PM (CDT)****

Monday - June 29, 2020 (Materials Informatics)

10:00 AM – Chris Borg/Eric Muckley, Citrine Informatics (USA)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM – END

Tuesday – June 30, 2020 (Homogenization)

10:00 AM – Fodil Meraghni, Ecole Nat. Sup-Arts et Metiers (France)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM – END

Wednesday – July 1, 2020 (Phase Field Modeling)

10:00 AM – Michael Tonks, University of Florida (USA)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM - END

Thursday – July 2, 2020 (Alloy Theory)

10:00 AM – Anton Van Der Ven/John Goiri, University of California, Santa Barbara (USA)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM - END

Friday – July 3, 2020 (Machine Learning–assisted Alloy Design)

10:00 AM – Dongwon Shin, Oak Ridge National Laboratory (USA)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM – END

Saturday – July 4, 2020 - Weekend

Sunday – July 5, 2020 - Weekend

Monday, July 6, 2020 (Molecular Dynamics)

10:00 AM – Xiaofeng Qian, Texas A&M University (USA)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM – END

Tuesday – July 7, 2020 (Dislocation Dynamics)

10:00 AM – Sylvie Aubry, Lawrence Livermore National Laboratory (USA)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM - END

Wednesday – July 8, 2020 (Fracture)

10:00 AM – Jacque Besson/Yazid Madi, MINES Paris Tech (France)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM - END

Thursday – July 9, 2020 (FFT Homogenization)

10:00 AM – Javier Segurado, Universidad Politécnica de Madrid (Spain)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM - END

Friday – July 10, 2020 (Alloy Design)

10:00 AM – Pedro Rivera-Diaz, Lancaster University (UK)

11:30 AM – Break

11:45 AM – Instructional Lab

1:00 PM – Break

1:15 PM - Instructional Lab – Continued

2:00 PM - END