Program Schedule

Sunday – July 25, 2021
10:00 AM – Meet & Greet – Via Zoom

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

Module 1 – Continuum

Monday – July 26, 2021 (Crystal Plasticity)
10:00 AM – Joshi Shailendra, University of Houston (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 27, 2021 (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

Wednesday – July 28, 2021 (Fracture)
10:00 AM – Jacques 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
Module 2 – Mesoscale

Thursday – July 29, 2021 (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

Friday – July 30, 2021 (Dislocation Dynamics)
10:00 AM – Nicolas Bertin, Lawrence Livermore National Lab (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 31, 2021 - Weekend

Sunday – August 1, 2021 – Weekend

Module 3 – Atomistic

Monday – August 2, 2021 (Alloy Theory)
10:00 AM – Anton Van Der Ven/ Brian Puchala, Univ. 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

Tuesday – August 3, 2021 (Atomistic simulations: the (very) good, the bad, and the ugly)
10:00 AM – William Curtin, Ecole Polytechnique Federale de Lausanne, (Switzerland)
11:30 AM – Break
11:45 AM – Instructional Lab
1:00 PM – Break
1:15 PM – Instructional Lab – Continued
2:00 PM – END
Module 4 - Informatics

Wednesday – August 4, 2021 (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

Thursday - August 5, 2021 (Machine Learning Best Practices & Fundamentals for Materials Science)
10:00 AM – Taylor Sparks, University of Utah (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 – August 6, 2021 (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