



EU Regional School 2017

in Computational Engineering Science
Part 2, Course 6-10, July - December

COURSE 6

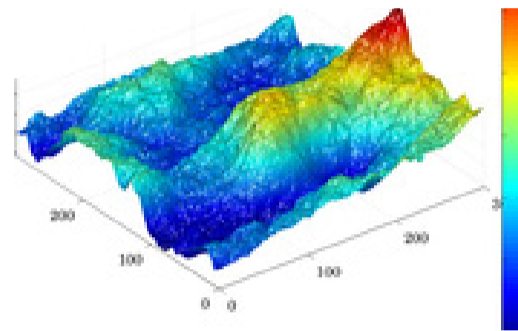
On Monte Carlo and Multilevel Monte Carlo

August 3, 2017

1:00 - 2:30 pm & 3:00 - 4:30 pm

Prof. Dr. Raul F. Tempone

Computer, Electrical and Mathematical Science and Engineering Division
King Abdullah University of Science and Technology, Kingdom of Saudi Arabia



COURSE 7

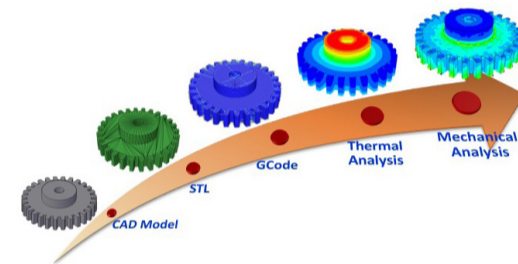
ADDITIVE MANUFACTURING PROCESSES: From Materials to
Applications, From Micro- to Macro-Simulations

September 26, 2017

1:00 - 2:30 pm & 3:00 - 4:30 pm

Prof. Dr. Ferdinando Auricchio

Department of Civil Engineering and Architecture
University of Pavia, Italy



COURSE 8

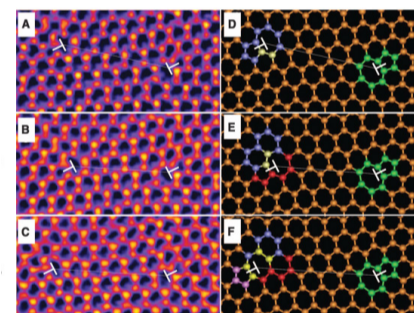
Advanced Methods in High Resolution Transmission Electron Micro-
scopy: Instrumentation, Simulation and Exit Wavefunction Reconstruction

November 7, 2017

1:00 - 2:30 pm & 3:00 - 4:30 pm

Prof. Dr. Angus Kirkland

Department of Materials
University of Oxford, United Kingdom



COURSE 9

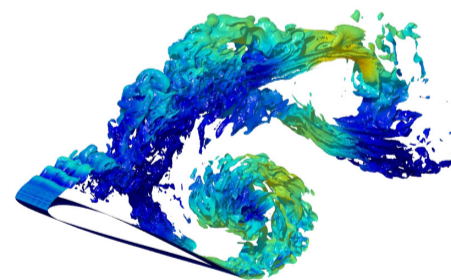
High-Order Discontinuous Galerkin Methods for Fluid and Solid
Mechanics

November 9, 2017

1:00 - 2:30 pm & 3:00 - 4:30 pm

Prof. Dr. Per-Olof Persson

Department of Mathematics
University of California at Berkeley, USA



COURSE 10

Rigorous Quantification of the Hierarchical Material Structure in
Statistical Framework

November 15, 2017

1:00 - 2:30 pm & 3:00 - 4:30 pm

Prof. Dr. Surya Kalidindi

Georg W. Woodruff School of Mechanical Engineering
Georgia Institute of Technology, USA

