

The 2018 Programme of CISM - **International Centre for Mechanical Sciences** (Udine, Italy), is online. You can find listed below a brief summary of the 2018 programme. Information about the course contents and registration can be found at <http://www.cism.it/courses>

- **Marie Curie - ITN ANTARES School on Smart Systems for Vibration Control, Energy Harvesting, Tactile Feedback, Measurement and Monitoring**  
Joint Advanced School hosted by CISM - <http://www.cism.it/courses/J1801/>  
January 29 - February 1, 2018  
Coordinated by Maryam Ghandchi Tehrani, Paolo Gardonio
- **1st GACM-GIMC workshop on Common Research Interests in Computational Mechanics**  
Event hosted by CISM - <http://www.cism.it/courses/E1802/>  
Coordinated by Michael Kaliske, Sonia Marfia, Anna Pandolfi, Alessandro Reali  
February 28 - March 1, 2018
- **Fluid Mechanics of Planets and Stars**  
Advanced Course - <http://www.cism.it/courses/C1801/>  
Apr 16 - 20, 2018  
Coordinated by Michael Le Bars, Daniel Lecoanet
- **Transport Phenomena in Complex Fluids**  
Advanced Course - <http://www.cism.it/courses/C1802/>  
May 7- 11, 2018  
Coordinated by Volfango Bertola, Teodor Burghilea
- **Mechanics of Strain Gradient Materials**  
Advanced Course - <http://www.cism.it/courses/C1803/>  
May 14-18, 2018  
Coordinated by Albrecht Bertram, Samuel Forest

- **High-performance Computing of Big Data for Turbulence and Combustion**  
Advanced Course - <http://www.cism.it/courses/C1804/>  
May 21- 25, 2018  
Coordinated by Sergio Pirozzoli, Tapan K. Sengupta
  
- **Modelling and Simulation of Tribological Problems in Technology**  
Advanced Course - <http://www.cism.it/courses/C1805/>  
May 28 - June 1, 2018  
Coordinated by Marco Paggi, David A. Hills
  
- **Advanced After-treatment Technologies for Automotive Applications**  
International Advanced Professional Training Course - <http://www.cism.it/courses/A1801/>  
June 4- 8, 2018  
Coordinated by Samir Bensaid, Michiel Makkee
  
- **Advanced Topics in MHD**  
Advanced Course - <http://www.cism.it/courses/C1806/>  
June 11- 15, 2018  
Coordinated by Andrew Hillier, David MacTaggart
  
- **Wave Turbulence and Extreme Events**  
Advanced Course - <http://www.cism.it/courses/C1807/>  
June 18-22, 2018  
Coordinated by Sergio Chibbaro, Miguel Onorato
  
- **Turbulent Mixing in Stratified Flows**  
Advanced Course - <http://www.cism.it/courses/C1808/>  
June 25- 29, 2018  
Coordinated by Jean-Marc Chomaz, Paul F. Linden
  
- **Fluid Dynamics Effects on Particle Formation in Crystallization Processes**  
Advanced Course - <http://www.cism.it/courses/C1809/>  
July 2- 6, 2018  
Coordinated by Daniele Marchisio, Cristian Marchioli
  
- **Mechanics of Fibrous Materials and Application: Physical and Modelling Aspects**  
Advanced Course - <http://www.cism.it/courses/C1810/>  
July 9- 13, 2018  
Coordinated by Catalin Picu, Jean-François Ganghoffer

- **CISM-ECCOMAS International Summer School on Efficient High-order Discretizations for Computational Fluid Dynamics**  
 Advanced Course - <http://www.cism.it/courses/C1811/>  
 July 16-20, 2018  
 Coordinated by Martin Kronbichler, Per-Olof Persson
  
- **Substructuring in Engineering Dynamics: Emerging Numerical and Experimental Techniques**  
 Advanced Course - <http://www.cism.it/courses/C1812/>  
 July 23-Jul 27, 2018  
 Coordinated by Matthew Allen, Daniel Rixen
  
- **Electromechanical Transducers: Principles and Technologies**  
 Advanced Course - <http://www.cism.it/courses/C1813/>  
 September 3-7, 2018 Coordinated by Hans Irschik, Bernhard Jakoby
  
- **Thermodynamics of Irreversible Processes in Material Systems**  
 Advanced Course - <http://www.cism.it/courses/C1814/>  
 September 10-14, 2018  
 Coordinated by Franz Dieter Fischer
  
- **Stability and Serviceability of Controlled Structures**  
 Advanced Course - <http://www.cism.it/courses/C1815/>  
 September 17-21, 2018  
 Coordinated by Sara Casciati, Marian Wiercigroch
  
- **CISM-AIMETA Advanced School on Cell Mechanobiology: Theory and Experiments on the Mechanics of Life**  
 Advanced Course - <http://www.cism.it/courses/C1816/>  
 September 24- 28, 2018  
 Coordinated by Antonio De Simone, Vikram Deshpande
  
- **Marie Curie - ITN School on Damage and Failure of Materials under Extreme Conditions**  
 Joint Advanced School hosted by CISM - <http://www.cism.it/courses/J1802/>  
 October 1-5, 2018  
 Coordinated by Sébastien Mercier, José Rodríguez-Martínez
  
- **Modeling in Engineering using Innovative Numerical Methods for Solids and Fluids**  
 Advanced Course - <http://www.cism.it/courses/C1817/>  
 October 15-19, 2018  
 Coordinated by Laura De Lorenzis, Alexander Düster