18 September 2019 9.00 am - 18.00 pm



MINES ParisTech 60 bd Saint-Michel



Organized by the Department Mechanical and Materials Engineering of MINES ParisTech

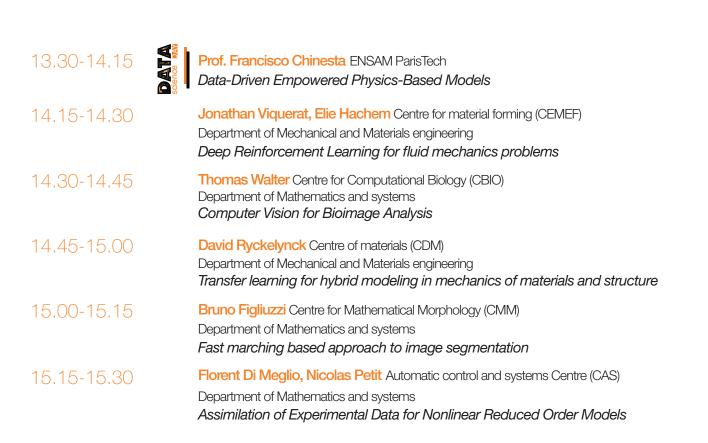
Information MINES ParisTech Sophia Antipolis : Elie HACHEM (CEMEF)



morning - matinée

9.00-9.30	Direction MINES ParisTech - Accueil et introduction
9.30-10.15	Prof. Charbel Farhat Stanford University A Physics-Based Alternative Approach to Digital Twins
10.15-10.30	Etienne Decencière Centre for Mathematical Morphology (CMM) Department of Mathematics and systems Convolutional neural networks and mathematical morphology for biomedical image analysis
10.30-10.45	Hervé Chauris Centre of Geosciences Department Earth sciences and environment Imaging with large seismic data sets
10.45-11.00	Philippe Blanc Centre Observation, Impacts, Energy (O.I.E.) Department Energy and processes Signal and Image processing of Earth observation for solar short term forecasting
11.00-11.15	Pascal Le Masson Centre for Management Science (CGS) Department of Economics, Management, Society Data science and design theory: beyond modelling & optimizing, the generativity logic in stats & Al
11.15-11.30	Chloé-Agathe Azencott Centre for Computational Biology (CBIO) Department of Mathematics and Systems <i>Biomarker discovery for precision medicine</i>
11.30-11.45	Fabien Moutarde Robotics Center (CAOR) Department of Mathematics and Systems Deep Reinforcement Learning for Autonomous Vehicles & Robotics
11.45-12.30	Dir. Rech. Marc Schoenauer INIRIA Saclay Sciences des données: validation, certification, transparence, et impacts sur la société

afternoon - après-midi



science

____ 15.30-15.45 COFFEE BREAK

15.45-16.00	Véronique Stoven Centre for Computational Biology (CBIO) Department of Mathematics and systems Machine-learning chemogenomics for identification of drugs mechanism of action »
16.00-16.15	Xavier Freulon Centre of Geosciences Department Earth sciences and environment Random fields on Riemann Manifolds using Stochastic Partial Differential Equation (SPDE)
16.15-16.30	Céline Houriez Centre Thermodynamic of Processes Department Energy and processes Data Science for Molecular Simulation: some perspectives
16.30-16.45	Thomas Romary Centre of Geosciences Department Earth sciences and environment Sequential data assimilation: application to the hydro-biogeochemical model Prose
16.45-17.15	Prof. Jean-Philippe Vert Google Al Learning from ranks and learning to rank



(in order of appearence)



