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26th July to 31st July 2020

Registration, Poster Submission: https://franknielsen.github.io/SPIG-LesHouches2020/

15 Keynotes (60 min)

SGD & Variational Inference - Pratik Chaudhari
Fast MCMC via Lie Group - Steve Huntsman

HMC on Symmetric/Homogeneous Spaces - Alessandro Barp
Exponential Family by Representation Theory - Koichi Tojo
Learning Physics from Data - Francisco Chinesta
Information Geometry & Integrable Hamiltonian - Jean-Pierre Françoise
Information Geometry & Quantum Field - Ro Jefferson
Physical Limits to Information Processing - Susanne Still
Diffeological Fisher Metric - Hông Vân Lê
Deep Learning as Optimal Control - Elena Celledoni
Dirac structures in Thermodynamics - Hiroaki Yoshimura
Port Thermodynamic Systems Control - Bernhard Maschke
Covariant Momentum Map Thermodynamics - Goffredo Chirco
Contact Hamiltonian Systems - Manuel de León
Multibody-Fluid System Dynamics in Lie group - Zdravko Terze

