

SAMM 2020: Learning Models from Data

Wednesday, July 29, 2020

Posters 2 (7:30 PM - 8:30 PM)

time	[id] title	presenter
7:30 PM	[104] One size does not fit all: Parameterized biomechanical models for crashworthiness simulations	KURU, Göktürk
7:30 PM	[106] Wavelet based dynamic mode decomposition	Mr KRISHNAN, Manu
7:30 PM	[104] Adaptive Interpolatory MOR by Learning the Error Estimator in the Parameter Domain	Mr CHELLAPPA, Sridhar
7:30 PM	[109] Sensor selection for hyper-parameterized linear Bayesian inverse problems	Ms ARETZ-NELLESEN, Nicole
7:30 PM	[107] Data-Driven Identification and Reduction of Dynamical Systems with the Loewner Framework	KARACHALIOS, Dimitrios S.
7:30 PM	[104] Artificial neural network for bifurcating phenomena modelled by nonlinear parametrized PDEs	PICHI, Federico
7:30 PM	[101] Learning from Data for Traffic Control	Mr BAUMGART, Urs
7:30 PM	[109] Multipopulation mortality rates modelling and forecasting: The multivariate functional principal component analysis approach	Mr LAM, Ka Kin
7:30 PM	[102] Deep learning of multibody minimal coordinates for estimation	ANGELI, Andrea
7:30 PM	[105] A Hamiltonian Monte Carlo Bayesian Inference Approach Using Deep Learning for Modeling Metabolism	SCHENK, Christina
7:30 PM	[106] Real-time virtual acoustics using physics-informed data-driven techniques	PIND, Finnur
7:30 PM	[100] Machine learning for parameter identification and model reduction of gradient-enhanced damage models for metal forming processes	Mr SCHULTE, Robin
7:30 PM	[109] Model adaptation for hyperbolic balance laws employing constraint aware neural networks	Mr JOSHI, Hrishikesh
7:30 PM	[102] Towards Deep Learning Based Controllers with Nominal Closed Loop Stability Guarantees	Mr NGUYEN, Hoang Hai
7:30 PM	[104] Convolutional Neural Networks for object detection in professional appliances	MENEGHETTI, Laura
7:30 PM	[107] Kernel-based Active Subspaces with application to CFD problems using Discontinuous Galerkin method	Mr ROMOR, Francesco
7:30 PM	[102] Deep Neural Networks for Hyperbolic Conservation laws with Non-convex Flux	Dr MINBASHIAN, Hadi
7:30 PM	[104] Data-driven reduced-order modeling from noisy measurements: new results and future perspectives	Dr GOSEA, Ion Victor
7:30 PM	[100] Prediction-Based Nature-Inspired Dynamic Optimization	MEIER, Almuth
7:30 PM	[103] Reduced order modelling for data assimilation in parametrized optimal control framework	STRAZZULLO, Maria
7:30 PM	[107] Fusing Online Gaussian Process-Based Learning and Control for Scanning Quantum Dot Microscopy	Mr PFEFFERKORN, Maik

7:30 PM	[15] Data-driven metamodelling in Global Sensitivity Analysis	Mr DEMIS, Panagiotis
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