Séminaire Maths-4-Innov-Action du 24 février 2026

Fabien CASENAVE

Scientific Machine Learning for Industrial Design

Références associées à la présentation du 24 février 2026 :

- T. Daniel, F.C., N. Akkari and D. Ryckelynck, Model order reduction assisted by deep neural networks (ROM-net), Adv. Model. Simul. Eng. Sci. 7(16), (2020)
- T. Daniel, F.C., N. Akkari, D. Ryckelynck, Data Augmentation and Feature Selection for Automatic Model Recommendation in Computational Physics, Math. Comput. Appl. 26(1), 17, (2021)
- T. Daniel, A. Ketata, F.C. and D. Ryckelynck, Physics-informed cluster analysis and a priori efficiency criterion for the construction of local reduced-order bases, J. Comput. Phys., 458, 111120 (2022)
- T. Daniel, F.C., N. Akkari, D. Ryckelynck and C. Rey, Uncertainty quantification for industrial numerical simulation using dictionaries of reduced order models, Mech. Ind., 23, (2022)
- MMGP: F.C., B. Staber and X. Roynard, MMGP: a Mesh Morphing Gaussian Process-based machine learning method for regression of physical problems under nonparametrized geometrical variability, NeurIPS, (2023)
- Modèle de donnée pour l'apprentissage physique : https://github.com/PLAID-lib/plaid