Machine Learning and Uncertainties in Climate Simulations

From Monday 06.06.2022 to Thursday 06.09.2022

Address:
Moulin Mer
Logonna-Daoulas
Finistère
France

Public
Enseignants chercheurs
Doctorants

Sources of uncertainties can be of different nature in climate studies including model approximations from the true climate system, intra and inter model variability, subgrid errors, measurement errors, anthropogenic forcing trajectories, and so on. This workshop will investigate how to assess, model, and combine these uncertainties within statistical and machine learning methods. This workshop will integrate sessions on stochastic weather simulators (SWGEN) in order to bridge the existing SWGEN community with ML researchers.

See more
The workshop is all inclusive: accommodation (private bedroom), breakfasts, lunches, dinners and coffee breaks. The workshop will begin on Monday afternoon and end on Thursday morning. Lunches will also be offered on these days.

Formulaire de contact

Organizer(s)

Pierre Ailliot, Univ. Brest
Valérie Monbet, Univ. Rennes 1
Pierre Ribereau, Univ. Lyon 1
Pierre Tandeo, IMT Atlantique
Gwladys Toulemonde, Univ. Montpellier
Partner(s)

Institut de Recherche Mathématique de Rennes - IRMAR
Laboratoire de Mathématiques Jean Leray
École normale supérieure de Rennes - Département Mathématiques
Laboratoire Angevin de Recherche en Mathématiques - LAREMA
Laboratoire de Mathématiques de Bretagne Atlantique - LMBA
Laboratoire Manceau de Mathématiques - LMM

Contact(s) & Practical information

Pierre Tandeo
Département Mathematical and Electrical Engineering
Published on 29.04.2022

Source URL:
https://www.imt-atlantique.fr/events/conferences/machine-learning-and-uncertainties-climate-simulations