Workshop "Statistical methods for safety and decommissionning"

November, 21

- 9h00 Welcome
- 9h30 Introduction (Univ. d’Avignon)
- 9h40 Nicolas Bousquet (EDF R&D): Risk, uncertainty, and robust decision-making: an attempted Introduction
- 10h25 Mitra Fouladirad (Ecole Centrale de Marseille): Wind speed modelling with stochastic processes for wind turbine production study
- 11h10 Coffee break (20’)
- 11h30 Michele Désenfant (LNE): A measurement process is not a deterministic algorithm!
- 12h15 Lunch time (1h45)
- 14h00 Jean-Philippe Dancausse, Magali Saluden et Catherine Eysseric (CEA Marcoule, DES/DDSD): Expected contributions of statistical methods to nuclear decommissioning of CEA facilities
- 14h30 Yvon Desnoyers (Geovariances): Smart use of the variogram to explore spatial data, to break down variance contributions and to model radiological contaminations
- 15h15 Coffee break (30’)
- 15h45 Claude Norman (IAEA): Reconcilier l’estimation d’incertitudes de mesure ascendante basée sur le GUM (Guide for the Expression of Uncertainty in Measurement) et l’estimation descendante basée sur le modèle statistique de l’IAEA
- 16h30 Aloïs Clément (CEA Valduc): Bayesian Approach for Multigamma Radionuclide Quantification Applied on Weakly Attenuating Nuclear Waste Drums
- 17h15 Poster session
- 18h00 Apero
- 19h30 End of the day

November, 22

- 9h00 Emanuele Borgonovo (Bocconi University): About risk-informed decision-making
- 9h45 Sophie Ancelet (IRSN Fontenay-aux-Roses): Hierarchical modeling and Bayesian statistics for a better consideration of uncertainties when estimating radiation-related risks
- 10h30 Coffee break (30’)
- 11h00 François Bachoc (Institut de Mathématiques de Toulouse): Introduction to Gaussian process with inequality constraints - Application to coast flooding risk
- 11h45 Mélanie Ducoffe (Airbus Group)
- 12h30 Lunch time (1h30)
- 14h00 Thomas Romary (Mines ParisTech): Scenario reduction for uncertainty quantification in Uranium in situ recovery
- 14h45 Amandine Marrel (CEA Cadarache, DES/DER): Statistical approach in nuclear safety problems: recent advanced around sensitivity analysis and metamodeling
- 15h30 Good-bye