



Preliminary Program (on 7 January)

Monday 18 March -

- 09.00 Opening of the welcome desk
- 09.30 Welcome Address
- 09.45 Dimension reduction of the input parameter space for potentially vector valued functions
Clémentine Prieur, Grenoble Alpes University, Jean Kuntzmann Lab., Inria project/team AIRSEA
[Abstract](#)
- 10.45 Coffee break
- 11.00 PhD 1
- 11.30 PhD 2
- 12.00 PhD 3
- 12.30 Lunch
- 14.00 PhD 4
- 14.30 PhD 5
- 15.00 Poster Blitz 1
- 15.30 Coffee break
- 16.00 PhD 6
- 16.30 PhD 7
- 17.00 Poster Blitz 2
- 17.30 Poster Session

Tuesday 19 March

- 08.30 Opening of the welcome desk
- 09.00 Course: A short introduction to data assimilation (1/2)
Emmanuel Cosme, Université Grenoble Alpes
[Abstract](#)
- 10.30 Coffee break



- 11.00 Rational Becker-Weispfenning interpolation
Henry Wynn
[Abstract](#)
- 11.45 Privacy sets revisited
Werner Müller, Johannes Kepler University Linz
[Abstract](#)
- 12.30 Lunch
- 14.00 Measures minimizing regularized dispersion
Anatoli Zhiglavsky, Cardiff University
[Abstract](#)
- 14.45 Title to come
Maria Joao Rendas, CNRS
Abstract to come
- 15.30 Model-Based Robust Design in Industry
Ron Bates, Rolls-Royce
[Abstract](#)
- 16.15 Coffee break
- 16.45 Tumour characterization from Positron Emission Tomography imaging data
Eric Wolsztynski, University College Cork
[Abstract](#)
- 17.30 Restricting ambitions in global multi-objective optimization of costly functions
Rodolphe Leriche, École des Mines de Saint-Etienne
[Abstract](#)
- 20.00 Conference Dinner

Wednesday 20 March

- 8.30 Opening of the welcome desk
- 09.00 Course: A short introduction to data assimilation (2/2)
Emmanuel Cosme, Université Grenoble Alpes
[Abstract](#)
- 10.30 Coffee break
- 11.00 Synthesis of geological images using deep learning techniques
Ahmed Elsheikh, Heriot-Watt University
[Abstract](#)
- 11.45 Machine Learning techniques in Industry. Application to oil refining
Benoit Celse, IFPEN
[Abstract](#)
- 12.00 A few elements of numerical analysis for PDEs with random coefficients of lognormal type



Julia Charrier, Université d'Aix-Marseille

[Abstract](#)

12.45 Efficient Topological and morphological characterization of 3D complex microstructures

Maxime Moreau, IFPEN

[Abstract](#)

13.00 Lunch

14.00 Space-filling designs based on Rényi entropy

Astrid Jourdan, EISTI

[Abstract](#)

14.45 Title to come

Jean-François Lecomte, IFPEN

Abstract to come

15.00 Detecting and exploiting the low-effective dimension of multivariate problems using gradient information

Olivier Zahm, INRIA

[Abstract](#)

15.45 Optimisation et dimensionnement fiabiliste d'une éolienne offshore flottante

Martin Guiton, IFPEN

[Abstract](#)

16.00 Cloture by Hervé Monod, INRA – GDR MASCOT-NUM

16.30 Closing remarks

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