I received several invitations for presentations in several Universities, in the context of International Schools and International Workshops and Conferences. These talks have been all oriented to my activities in Uncertainty Quantification, Robust Optimization and real-gas flows.

Conferences


2. Plenary speaker, SimHydro Conference 2017, 14-16th June, Nice.


5. Semi-intrusive multiresolution schemes for UQ : Application to unsteady discontinuous flows, SIAM Conference on Uncertainty Quantification, Raleigh, USA, April 2012.

6. Dense gas flows: exploitation of non-classical properties, Cha-Cha Days, College of Charleston, South Carolina, Octobre 2006.

Workshops


17. Quantification of uncertainties in numerical simulation, Quantification d’incertitude et calcul intensif Workshop (Journée thématique du GDR MASCOT NUM), Mar 2013, Grenoble, France.


Seminars

23. Some contributions to the numerical simulation of cavitating turbulent two-phase flows from a UQ perspective, IMSIA Seminar, EDF Lab, Palaiseau, December 6 2017.


25. Final presentation of Aquarius Team, INRIA, October 2016.


27. Computation of low-probability events, UQ Meetings, Stanford University, September 2016.

28. Uncertainty Quantification in Computational Science: some examples of interaction between numerical simulation and experiments, Laboratoire de Physique des Plasmas (LPP, École Polytechnique), August 2016.


32. About the investigation of relevant uncertainties during the robust optimization of an Organic Rankine Cycle, LIMSI Laboratory (Orsay), June 2015.


34. Reliability of numerical simulation in fluid mechanics : some examples on hypersonic flows and thermodynamically complex gases, Séminaire IRPHE (Institut de Recherche des Phénomènes Hors Equilibre), March 2014, Marseille, France.

35. Uncertainty quantification in numerical simulation and application to complex flows, MIP Seminar, IMT-Toulouse, Nov 2013, Toulouse, France.


38. Robust optimization for uncertain dense gas flows, invited, UQ seminars, Stanford University, May 2011.


40. Uncertain shape optimization for dense gas flows, invited, Université de Trieste (Italie), Trieste, May 2010.


42. Simulation et Optimisation d’écoulements de gaz dense, LEGI, Grenoble, Août 2008.

43. Introduction to dense gas flows: exploitation of non-classical properties for energy applications, invited seminar, National Institute of Aerospace (NIA), Hampton, Virginia, August 2006.

**International Schools**

44. First training school in the context of the UTOPIAE Project, Introduction to Uncertainty Quantification November 20 2017.


52. UQ: application to algorithms, Uncertainty quantification: theory and application to algorithms, CFD and global change, April 2015, CERFACS, Toulouse, France.


54. Robust optimization, Uncertainty Quantification in CFD, von Karman Institute Lecture Series, September 2014.

55. UQ: application to algorithms, Uncertainty quantification: theory and application to algorithms, CFD and global change, Apr 2014, CERFACS, Toulouse, France.

56. Stochastic methods for shocked flows and robust optimization, Short course on UQ controls at CERFACS, Toulouse, June 2013.

57. Uncertainty Quantification and Robust Design in Complex Flow Simulations, International Workshop on Uncertainty Quantification and Design Optimization, February 2013, Trieste, Italy.

58. Introduction to Uncertainty Quantification, invited, Uncertainty Quantification for Aerospace Applications, von Karman Institute, October 2012.
