



## Stochastic Methods for the Analysis of NUMerical COdes

Research group sponsored by the French National Center for Scientific Research



MASCOT NUM aims at **coordinating research efforts** in developing tools for design, modeling and analysis of computer experiments.

Many techniques of **applied mathematics** involved : statistics, probability, computer science, numerical analysis, operational research, mathematical physics, . . .

### **Key milestones for MASCOT NUM :**

- ★ February 2006, first "non official" meeting in Toulouse;
- ★ January 2008, birth of MASCOT NUM;
- ★ January 2012, first renewal of the group;
- ★ January 2016 remains an open issue . . .

An increasing number of registered members (396 persons)

MASCOT NUM is composed with 7 working groups. These groups regularly organize some thematic days, journal special issues, summer schools, ...

### Working groups

- **Design of numerical experiments**
- **Uncertainty and sensitivity analyses**
- **Computer code approximation via metamodels**
- **Probabilistic models**
- **Industrial problems**
- **Environmental problems**
- **Software aspects**

## Officers, Board and Council of MASCOT NUM

Board (**group leaders**) and **communication committee**

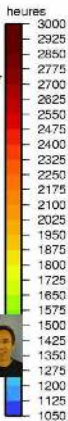
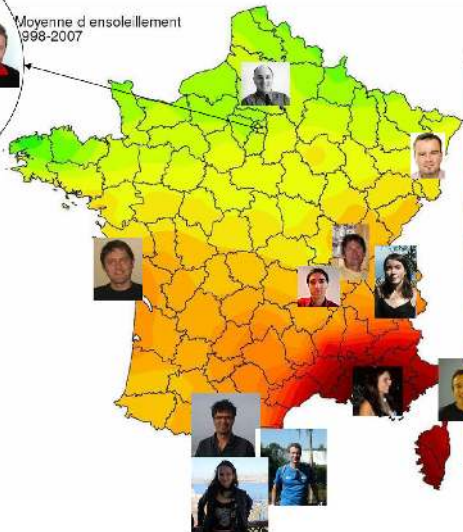
- Academics: Mark **Asch** (Université de Picardie), Alexandre **Janon** (Univ. Paris Sud), Roland **Masson** (Université Nice Sophia Antipolis), Clémentine **Prieur** (Université Grenoble, LJK/MOISE), Luc **Pronzato** (I3S, CNRS Sophia Antipolis);
- Engineering Schools: Julien **Bect** (SUPELEC, Gif sur Yvette), Olivier **Roustant** (Ecole des Mines de Saint Etienne), Anthony **Nouy** (Ecole Centrale de Nantes);
- Research Institutes: Amandine **Marrel** (CEA Cadarache), Hervé **Monod** (INRA Jouy-en-Josas, Département MIA), Miguel **Munoz-Zuniga** (IFPEnergiesnouvelles, Rueil-Malmaison), Nathalie **Villa-Vialaneix** (INRA Toulouse), François **Wahl** (IFPEnergiesnouvelles, Solaize);
- Industrial Companies: Sébastien **Da Veiga** (SNECMA), Bertrand **looss** (EDF R&D, Chatou), Fabien **Mangeant** (Airbus Group),

## Scientific council

- Jean-Marc **Azaïs** (Université Toulouse 3),
- Gérard **Biau** (Université Paris VI),
- Pierre **Del Moral** (INRIA Bordeaux-Sud Ouest),
- Fabrice **Gamboa** (Université Toulouse 3),
- Josselin **Garnier** (Université Paris VII),
- Olivier **Le Maître** (LIMSI, CNRS),
- Clémentine **Prieur** (Univ. Grenoble, LJK/MOISE),
- Luc **Pronzato** (I3S, CNRS Sophia Antipolis),
- Christophe **Prud'homme** (Univ. Strasbourg),
- Bruno **Sudret** (ETH Zürich),
- Emmanuel **Vazquez** (SUPELEC, Gif sur Yvette).



Moyenne d'ensoleillement  
1998-2007



MASCOT NUM's partners are public institutions, public labs and companies.

The complete list is available at  
<http://www.gdr-mascotnum.fr/committees.html>

**Get involved** : MASCOT NUM has created a club for industrials. For more information you can meet Fabien Mangeant during the conference.

MASCOT NUM members, Keep Your Blog active !

<http://mascot-num.blogspot.fr/>

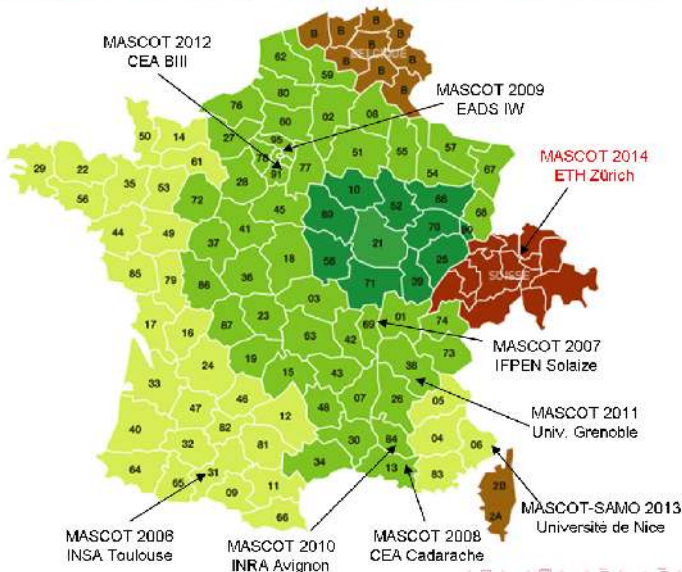


You can put a link to publications of interest for MASCOT NUM users on the following page

<http://www.gdr-mascotnum.fr/documents.html>

Note that on HAL <http://hal.archives-ouvertes.fr/> you can choose the **GdR MASCOT-NUM** affiliation. You can choose several affiliations.

# Previous MASCOT-NUM events: 06, 13, 31, 38, 69, 75, 84, 91



## Upcoming MASCOT NUM events :

- April 30: ANR CHORUS workshop: Kriging and Gaussian processes for computer experiments, Paris, France
- May 4-9: Ecole de printemps Analyse de sensibilité, propagation d'incertitudes et exploration numérique de modèles en sciences de l'environnement (ASPEN). Les Houches, France
- May 16: Working meeting "Handling categorical and continuous data", Paris, France
- May 20-22: Course: Uncertainty Quantification, Maison de la Simulation, Digiteo Labs, CEA Saclay
- May 28: ANR CHORUS workshop: Statistical learning methods, Paris, France

## Related events :

- UCM 2014, Uncertainty in Computer Models, July 28-30, Sheffield, UK
- Summer School Modeling and Numerical Methods for Uncertainty Quantification MNMUQ 2014, 1-5 september, Porquerolles, France
- ENBIS 2014 (14th Annual Conference of the European Network for Business and Industrial Statistics), Sept 21-25, Linz, Austria

Have a nice meeting