

**Introduction by F. Pacard, Ecole Polytechnique Deputy Director**

**“Variational aspects of rank minimization problems”**

[JB. Hiriart-Urruty](#)

**University Paul Sabatier, Toulouse, France**

**“Evaluation complexity in smooth constrained and unconstrained optimization”**

[P. Toint](#)

**University of Namur, Belgium**

**“Subgradient methods for huge-scale optimization problems”**

[Y. Nesterov](#)

**University of Louvain, Belgium**

**“The modeling of risk in optimization involving uncertainty”**

[R.T. Rockafellar](#)

**University of Washington, Seattle, USA**

**Presentation of FMJH and PGM0, 2012 "call for projects" : elected projects**

[Grégoire Allaire](#), **École Polytechnique, France**

[Sandrine Charousset](#), **EDF R&D, France**

**“Évolutions et nouveaux besoins du système électrique”**

[Stéphane Andrieux](#)

**EDF R&D scientific director**

**Conclusion**

[Yves Laszlo](#), **FMJH Director** and [Bernard Delpéch](#) (**EDF R&D Deputy Director**)

September 19th 2012, at [ENSTA Paristech](#)

**Introduction**

**A. Reichart, ENSTA deputy director**

**"On mean field games"**

[PL. Lions](#)

**Collège de france**

**"Phase Recovery, MaxCut and Complex Semidefinite Programming"**

[A. D'Aspremont](#)

**CNRS and Ecole Polytechnique, FRANCE**

**"Optimising nuclear outages : recent advances and perspectives"**

[M. Porcheron](#)

**EDF R&D, France**

**"Robust mixed integer programming with continuous recourse variables"**

[MC. Costa](#)

**ENSTA Paristech and CEDRIC, France**

**"A tropical approach of zero-sum games"**

[S. Gaubert](#)

**INRIA and Ecole Polytechnique, France**

**"Distance constraints in Euclidean geometry"**

[L. Liberti](#)

**Ecole Polytechnique, France**

**"Optimizing with probabilistic constraints"**

[A. Lisser](#)

**University Paris-Sud, France**

**"Unit-Commitment in Energy Management : recent advances and perspectives"**

[N. Oudjane](#)

**EDF R&D, France**

**"Asymptotical problems in optimal location"**

[F. Santambrogio](#)

**University Paris-Sud, France**

**"Second-order optimality conditions and small-time geodesics in sub-Finsler geometry"**

[M. Sigalotti](#)

**INRIA and Ecole Polytechnique, France**

**"Optimal transportation under controlled stochastic dynamics"**

[N. Touzi](#)

**Ecole Polytechnique, France**