

# Programme

## MUMPS Usersdays Wednesday 29 and Thursday 30 May 2013

Centre R&D EDF, Clamart

### Wednesday 29 May

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| 9.30 - 10.00  | Registration and welcome coffee  |
| 10.00 - 10.15 | Welcome by EDF and presentation of the 2 day meeting   |
| 10.15 - 11.00 | Patrick Amestoy (INPT(ENSEEIH)-IRIT), Abdou Guermouche (Univ. de Bordeaux),<br>Jean-Yves L'Excellent (Inria-LIP-ENS Lyon)<br><a href="#">MUMPS overview</a>                        |
| 11.00 - 11.30 | Olivier Boiteau (EDF, France)<br><a href="#">Partnership EDF-MUMPS, a fruitful win-win story</a>   |
| 11.30 - 12.15 | François-Henry Rouet (Lawrence Berkeley National Laboratory, USA)<br><a href="#">Robust memory-aware mappings for parallel multifrontal factorizations</a>                         |
| 12.15 - 12.45 | Antoine Petitet (ESI Group, France)<br><a href="#">Feedback on The Utilization of MUMPS in ESI's products</a>  |
|               | <b>Lunch</b>   |
| 14.30 - 15.15 | Clément Weisbecker (Université de Toulouse, INPT(ENSEEIH)-IRIT, France)<br><a href="#">Block Low-Rank (BLR) approximations to improve multifrontal sparse solvers</a>              |
| 15.15 - 15.45 | François Pellegrini (ENSEIRB-LaBRI, France)<br><a href="#">Shared memory parallel algorithms in Scotch 6</a>   |
|               | <b>Coffee Break</b>  |
| 16.15 - 16.45 | Eveline Rosseel (FFT, Belgium)<br><a href="#">Performing acoustic, vibro-acoustic and aero-acoustic computations using MUMPS</a>   |
| 16.45 - 17.15 | Wissam Sid-Lakhdar (Ecole Normale Supérieure de Lyon, France)<br><a href="#">Evolution of MUMPS towards multicore architectures</a>  |
| 17.15 - 18.00 | Patrick Amestoy (INPT(ENSEEIH)-IRIT), Abdou Guermouche (Univ. de Bordeaux),<br>Jean-Yves L'Excellent (Inria-LIP-ENS Lyon)<br><a href="#">Introducing MUMPS 5.0 and discussions</a> |
| 19.30 - 22.00 | <b>Banquet at "L'Ardoise"</b>  |

## Thursday 30 May

9.00 - 9.30	Jean-Pierre Delsemme (LMSINTL, Belgium) <a href="#">Recent Progress of Parallel SAMCEF with MUMPS</a>
9.30 - 10.00	Alfredo Buttari (CNRS-IRIT, France) <a href="#">qr_mumps: a multithreaded, multifrontal QR solver</a>
10.00 - 10.30	Florent Lopez (Université de Toulouse, INPT(ENSEEIH)-IRIT, France) <a href="#">Towards a multifrontal QR factorization for heterogeneous architectures over runtime systems</a>
	<b>Coffee Break</b>
11.00 - 11.30	Guillaume Sylvand (EADS Innovation Works, France) <a href="#">Application of sparse matrices and H-matrices at EADS Innovation Works</a>
11.30 - 12.00	Maurice Brémond (INRIA, France), Guillaume Joslin (CERFACS-IRIT common laboratory, France) <a href="#">Some engineering issues in the MUMPS project</a>
12.00 - 12.30	Romain Brossier (SEISCOPE Consortium, France) <a href="#">Frequency-domain seismic modeling with the MUMPS sparse direct solver: application to the imaging of the earth's interior.</a>
12.30 - 13.00	Mohamed Zenadi (INPT(ENSEEIH)-IRIT) <a href="#">A hybrid iterative solver based on Block-Cimmino method</a>
	<b>Lunch</b>
14.00 - 16.00	Round Table : User requirements and closing

## Credits

This event is supported by:

