

Jocelyne Erhel

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Academic background :

Habilitation à Diriger des Recherches, computer science, university of Rennes, 1992.
Ph-D, applied maths, university of Paris 6, 1982.
Agrégation de mathématiques, 1979.
École Normale Supérieure de Fontenay-aux-Roses, 1976-1980.

Professional activities:

Since 1997: Scientific leader of the SAGE team (previously ALADIN team)
Since 1982: Research Scientist at INRIA (Rocquencourt until 1987 then Rennes)
Research fellow, University of Queensland, Australia, 6 months, 1996 and 1993
Scientific visitor of ETA Systems, Minneapolis, USA, five months, 1986

Research interests:

Numerical analysis and scientific computing
High performance computing
Applications to geophysical problems, mainly for environment and energy

Public dissemination:

Scientific leader of interstices website.
Talks and papers for general audience.

Software and grants:

Co-author of software in scientific and high performance computing (H2OLab, GRT3D, etc)
Coordination of national grants (ANR, ANDRA, CNES, IFREMER, etc).
Participation in international projects (with Europe, Africa, Australia, USA).

Boards, Committees and invitations:

Editorial board of ETNA and ESAIM Proceedings
Organization of several conferences and mini-symposia (DD21'2012, NumCoop'09, etc)
Program committees (PARENG, Parallel CFD, PMAA, RenPar, etc)
Plenary invited talks (Pareng'2013, Canum'2012, Pareng'2011, Mamern'2009, etc)
Referee of scientific papers, of Ph-D and HdR, of submitted projects, jury service

Supervision and teaching:

Director of 18 Ph-D students (12 defended) and 39 Master students
Supervision of 3 post-doctoral fellows and 5 engineers
Teaching at master level; lecture notes on the web

Publications:

41 journal papers (SISC, SIMAX, JCP, JCAM, ETNA, WRR, etc).
Edition of 3 books (reliable arithmetic, Parallel CFD, Domain Decomposition)
51 book chapters or conference proceedings (PARCO, LNCS, LNCSE, etc).
7 national journal papers (TSI, etc).
59 international conference talks (34 invited and 25 accepted abstracts)