

SUMMER SCHOOLS 2014

Scientific Committee: B. BIGOT (CEA), S. ANDRIEUX (EDF), M. COSNARD (Inria)

COMPUTER SCIENCE

Cadarache - June 16 to June 20, 2014

PARALLEL AND DISTRIBUTED DATA ANALYTICS

"Upgrade and Prerequisites on Distributed and Parallel Data Processing"

P. VALDURIEZ (Inria)

"Upgrade and Prerequisites on Data Mining"

G. HEBRAIL (EDF)

"Mono-Site (centralized) Large Scale Data Mining: Hadoop, HPC, GPU"

D. BADER (Georgia Tech)

"Multi-Site (distributed) Large Scale Data Mining: P2P, Multi-Agent, Privacy-Preserving"

H. KARGUPTA

(Agnik Company, Univ. of Maryland)

"Large Scale Data Mining on Hadoop Map/Reduce: Frequent Itemsets and Clustering"

F. MASSEGLIA (Inria)

"Data Stream Processing and Analytics"

A. BONDU (EDF)

"Large Scale Data Visualization"

M. AUPETIT (CEA) - J.-H. SUBLEMONTIER (CEA)

NUMERICAL ANALYSIS

Cadarache - June 23 to July 4, 2014

NUMERICAL METHODS FOR INTERFACE PROBLEMS IN FLUIDS AND SOLIDS WITH DISCONTINUITIES

"Interface Description - Methods for Enforcing Interface Constraints"

J. DOLBOW (Duke University)

"Moving Interfaces in Solid Mechanics"

N. MOËS (École Centrale de Nantes)

"Interface Capturing Methods for Multi-Phase Fluid Mechanics"

S. KOKH (Maison de la Simulation)

F. LAGOUTIERE (Univ. Paris-Sud)

Hands on session – Seminars: various conferences by international specialists

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Registration Deadline: May 23, 2014

Summer schools are intended for researchers, engineers and PhD students.

They allow them to review the state of progress of the proposed subjects and to confront their experience.

The teaching is done in English. It is complemented by practical works, in small groups, hosted by assistants.

Both schools will take place in the castle of Cadarache - 13115 Saint Paul Lez Durance - FRANCE

Cost of the registration (accommodation and all expenses included):

Computer Science school (5 days) - CEA, EDF, industry: € 2800 - Universities and public research institutes: € 1600 -
For a limited number of PhD students: € 900

Numerical Analysis school (10 days) - CEA, EDF, industry: € 5000 - Universities and public research institutes: € 2800 -
For a limited number of PhD students: € 1400