**SUMMER SCHOOLS 2012**

Scientific Committee: B. BIGOT (CEA), B. SALHA (EDF), M. COSNARD (INRIA)

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<tr>
<th>COMPUTER SCIENCE</th>
<th>NUMERICAL ANALYSIS</th>
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<td><strong>June 11 to June 22, 2012</strong></td>
<td><strong>June 25 to July 6, 2012</strong></td>
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<td><strong>FUNCTIONAL PROGRAMMING FOR PARALLEL AND CONCURRENT APPLICATIONS</strong></td>
<td><strong>STOCHASTIC OPTIMIZATION</strong></td>
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**Introduction to Functional Programming**
- Ralf HINZE (Oxford University)

**The Practice of Functional Programming**
- Andres LÖH (Well-Typed)

**Parallel and Concurrent Programming in Haskell**
- Simon MARLOW (Microsoft Research)

**Large-Scale Approximate Dynamic Programming and Reinforcement Learning**
- Dimitri BERTSEKAS (MIT)

**Stochastic Programming**
- Roger WETS (UC DAVIS)

**Information Constraints in Stochastic Control**
- Pierre CARPENTIER (ENSTA ParisTech)
- Jean-Philippe CHANCELIER (Ecole des Ponts ParisTech)

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**Hands on session**

**Seminars: various conferences by international specialists**

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**Coordinators of the Computer Science Summer School**

Francesco ZAPPA NARDELLI, INRIA - Olivier BOUDEVILLE, EDF

E-mail: francesco.zappa_nardelli@inria.fr - olivier.boudeville@edf.fr

**Coordinators of the Numerical Analysis Summer School**

Michel DE LARA, Ecole des Ponts ParisTech - Stephane GAUBERT, INRIA

E-mail: delara@cermics.enpc.fr - stephane.gaubert@inria.fr

Website: www-hpc.cea.fr/SummerSchools2012.htm

**Information:**
Jean GONNORD Phone: 01 69 26 75 35 Fax: 01 69 26 70 03

**Secretary of the Summer schools:**
Regis VIZET Phone: 01 69 26 47 45 Fax: 01 69 26 70 80 - regis.vizet@cea.fr

**Mail address:**
Ecoles d'Eté CEA-EDF-INRIA - CEA DAM Ile de France - DAM/ISENDe - Bruyères-Le-Châtel - 91297 ARPAJON CEDEX

**Registration Deadline: May 30, 2012**

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 (10 days) or Numerical Analysis school (10 days):
  - Full rate: € 2800 - Universities and public research institutes: € 1400 - PhD students: € 700