PAYMENT AND REGISTRATION
The fee is 200 Euros (VAT included).
Payment will be possible through online payment at
http://x-dms2015.sciencesconf.org/resource/page/id/35

The fee is comprehensive of the course material and coffee breaks.
No fee is required for UNIFE Ph.D students.
A confirmation email to elena.benvenuti@unife.it
is acknowledged

ORGANIZATION
Elena Benvenuti, Engineering Department of the University of Ferrara, via Saragat 1 44121, Ferrara, Italy, elena.benvenuti@unife.it, ph. nr +39 0532 974935.

Giulio Ventura, Dept. of Structural, Building and Geotechnical Engineering, Politecnico di Torino, Corso Duca degli Abruzzi, 24, 10129 Torino, ITALY.

FOR FURTHER INFORMATION
Contact elena.benvenuti@unife.it.
Visit http://x-dms2015.sciencesconf.org for updates on the program.

IUSS SCHOOL
FERRARA, ITALY

Ph.D. course on
eXtended
Discretization
Methods
7-8 September, 2015
X-DMS COURSE

The X-DMS short course on EXTENDED DISCRETIZATION METHODS will be held on Monday 7 and Tuesday 8, September 2015 just before the X-DMS 2015 conference.

PROGRAM

The lectures will focus on advanced topics of computational mechanics pertaining to discretization techniques such as the eXtended Finite Element Method and meshless methods. The topics to be covered include applications to two-phase and free-surface flows, simulation of fast fracture, multiscale methods for fracture, analysis of conditioning problems and stabilization techniques, modelling and numerical aspects of the transition process from damage to fracture, numerical integration issues arising in the presence of singularities and discontinuities.

LECTURERS

- Prof. Alain Combescure, AREVA SAFRAN Chair INSA Lyon, France.
- Prof. Thomas-Peter Fries, Institute of Structural Analysis, Graz, Austria.
- Dr. Ing. Stefan Löhnert, Institute of Continuum Mechanics, Hannover, Germany.
- Prof. Nicolas Moës, Institute Ecole Centrale, Nantes, France.
- Prof. N. Sukumar, Department of Civil & Environmental Engineering, UC Davis, USA.

TIME TABLE

<table>
<thead>
<tr>
<th>Monday, September 7</th>
<th>Tuesday, September 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30 - 10.00</td>
<td>08.30 - 10.00</td>
</tr>
<tr>
<td>10.30 - 12.00</td>
<td>10.30 - 12.00</td>
</tr>
<tr>
<td>12.00 - 13.00</td>
<td>12.00 - 13.00</td>
</tr>
<tr>
<td>14.00 - 15.30</td>
<td>14.00 - 15.30</td>
</tr>
<tr>
<td>16.00 - 17.30</td>
<td>16.00 - 17.30</td>
</tr>
</tbody>
</table>

LOCATION

IUSS School, Via delle Scienze, n. 41/B - 44121 Ferrara Italy
http://iuss.unife.it/