



The Abdus Salam International Centre for Theoretical Physics


United Nations
Educational, Scientific
and Cultural Organization


International Atomic
Energy Agency



WEB ENABLING TECHNOLOGIES & STRATEGIES FOR SCIENTIFIC e-LEARNING

7 - 12 November 2005, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, in co-operation with the Department of Theoretical Physics of the University of Trieste is organizing a Workshop on 'Web Enabling Technologies & Strategies for Scientific e-Learning' to be held in Trieste, Italy from 7-12 November 2005.

PURPOSE

The 2005 Workshop aims to train and inform trainers at scientific and academic institutions about the state-of-the-art of Web-based technologies for e-Learning, new standards, services and developments specifically tailored to the Scientific formation and support at distance using the Internet. The purpose is to allow the workshop participants to act mainly as teachers, but also as consultants, to their national community, colleagues and students.

The Workshop objectives point to familiarize participants with basic and advanced tools to put and search scientific information on a multicultural Web, to establish e-learning community portals, selected among those most relevant to the kind of materials that scientists need to distribute (scientific papers & data, courseware ...).

PROGRAMME

The Workshop will consist of:

- **Technicalities**
Web Servers/Software, Statistical Tools and User Tracking, etc.
- **Web Access to Resources**
E-Learning open source packages, Databases and related issues.
- **Applications**
Authoring/Page design/Web Site tools, CGI's, Servlets, Collaborative and e-Learning Environments, Chat Rooms/Web Conferencing, Didactic Web Presentations, Scientific e-Publishing. Scientific Web notation like MathML and key technical developments like XML.
- **Cases Studies by Participants**

Part of the Workshop will consist of laboratory sessions and demos. Linux will be used as primary O.S.

PARTICIPATION

The Workshop is open to scientists from countries that are members of the UN, UNESCO or IAEA. The main purpose of The Abdus Salam ICTP is to help research workers from developing countries within a framework of international cooperation.

Only limited funds are available for participants from developing countries who will be selected by the Organizers. **Every effort should be made by candidates to secure support for their fares (or at least half-fare) from their home country.** It is stressed that participants whose travel expenses are paid by the ICTP are required to attend the entire Workshop. There is no registration fee for attending the Workshop. For both technical reasons and limited resources the total attendance to this Workshop is strictly limited to a few participants. As the Workshop will be conducted in English, participants should have an adequate working knowledge of that language.

Deadline for receipt of applications: 1 August 2005

The **Brief Technical Questionnaire** and **Application Form** to be found at the end of the Bulletin and obtainable also from the ICTP WWW server:

http://cdsagenda5.ictp.trieste.it/full_display.php?id=a04214

should be completed and returned before 1 August 2005 to:

Web Enabling Technologies & Strategies for Scientific e-Learning
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Department of
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Workshop Directors:
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Dr. G. Pastore

WORKSHOP WEB PAGE:
<http://www.ictp.it/~its>



ICTP/Trieste, March 2005