

EUROPEAN FEDERATION OF CHEMICAL ENGINEERING

News and Events

EFCE WORKING PARTY ON EDUCATION—BUSINESS MEETING SPRING 2006

Invited by its Italian delegate Alberto Brucato, Università di Palermo, the EFCE Working Party on Education held its spring 2006 business meeting on 1 April 2006 in Palermo/Sicily, Italy. The meeting was attended by 22 members and two invited guests from France.

Two part-time guests and representatives of the Università di Palermo informed the attendees about the university and about studying at the department of chemical engineering, the laboratories of which were visited on the day before.

Gérard Pignault and Sébastien Gagneur of the Ecole Supérieure de Chimie Physique Electronique de Lyon (CPE), France, presented the concept and first outcomes of their project 'First Certificate of Chemistry/First Certificate of Chemical Engineering' (FCC/FCCE) (<http://www.cefi.org/Workshop/Workshop.htm>). The aims of this project are to create knowledge-based tests as additional tools to existing evaluation methods, to help in the comparison of candidates, and to help individuals in self evaluating. Furthermore the project is working on competence-based reference frameworks. The working party decided to support the project in formulating relevant learning outcomes. Individual working party members may contribute in gathering relevant exam questions for the test and also may join the next phase of the project as partners.

Having finalized its work on the EFCE Bologna Recommendations (<http://www.efce.info>, see EFCE Statements on Bologna Process; *Chemical Engineering Research and Design*, 83(A11): 1331-1334) and the concept of the EFCE Student Mobility Award (<http://www.efce.info>, see EFCE Awards; EFCE Student Mobility Award) in the period 2004-2005 the working party discussed and decided upon its scope for 2006-2007.



The Spring meeting of the EFCE Working Party on Education.

The result can be found on the Working Party on Education's website (<http://www.efce.info/wpe>, see The WPE; Objectives). One major project is to organize a workshop 'The Future Look of Chemical Engineering Education in Europe' in 2007. The venue and date are to be decided. The event will possibly be held along ECCE-6 in Copenhagen, Denmark (16-21 September 2007).

EFCE WORKING PARTY MECHANICS OF PARTICULATE SOLIDS TO RUN WORKSHOP ON DISCRETE ELEMENT MODELING AT THE 5TH INTERNATIONAL CONFERENCE FOR CONVEYING AND HANDLING OF PARTICULATE SOLIDS

Discrete Element Modeling (DEM) is currently been used extensively in bulk solids handling research. Therefore the EFCE Working Party Mechanics of Particulate Solids (WPMS) has joined forces with ChoPS-05 to make DEM one special focus during the conference in Sorrento. ChoPS-05 will have two regular sessions, a poster session and a plenary lecture by Professor Stefan Luding, TU Delft, The Netherlands, devoted to DEM. In addition WPMS will run a workshop on DEM co-chaired by Professors S. Luding (Delft, The Netherlands), J. Ooi (Edinburgh, UK) and U. Tuzun (Surrey, UK) during the conference. Both the plenary lecture and the workshop will take place on Wednesday August 30th, 2006.

The WPMS workshop endeavors to increase the acceptance of DEM-codes for simulation of bulk solids behaviour. This requires the codes to be validated, which in turn needs carefully selected problems with a good experimental database for test runs. The workshop is intended to help identify a suitable set of problems for the *quantitative validation and verification of DEM type models* in the area of bulk solids handling. The workshop will commence with introductory presentations on the issues and methods relating to validation currently used in chemical, mining and agricultural engineering and physics research, as well as in industry. This will be followed by a discussion session by all workshop participants.

The workshop shall produce a framework for engagement between academic researchers, professional software companies and potential industrial beneficiaries of DEM numerical simulations that will identify areas that need significant further development both in terms of computational methodologies as well as the experimental validation procedures. It is hoped that in the longer term, the group of researchers brought together for the event will form the nucleus of a wider project formation aimed at setting the European/International standards of 'best

practice' in DEM Simulation software development and implementation in a broad range of industry sectors.

The EFCE Working Party Mechanics of Particulate Solids invites the scientific community to join the Workshop on DEM simulation of bulk solids behaviour and would encourage participation in ChoPS-05. The workshop chairmen and Dr H. Feise (hermann.feise@basf.com), chair of EFCE working party Mechanics of Particulate

Solids, welcome all further enquiries in connection with attendance at the DEM workshop.

More information on the congress is available at <http://www.ortra.com/solids/>. Information about the EFCE Working Party Mechanics of Particulate Solids can be found at <http://www.efce.info/wpmps.html>

Martin Molzahn (Chairman of EFCE WP on Education)