

EUROPEAN FEDERATION OF CHEMICAL ENGINEERING

News and Events

EFCE WORKING PARTY ON MECHANICS OF PARTICULATE SOLIDS

PARDEM Workshop on Discrete Element Modeling at the PARTEC

Discrete Element Modeling (DEM) is currently being used extensively in bulk solids handling research. Therefore the EFCE Working Party Mechanics of Particulate Solids (WPMS) has joined forces with PARTEC to make DEM a special focus during the conference in Nuremberg. The workshop on DEM will be co-chaired by Professors S. Luding (Delft), J. Ooi (Edinburgh) and U. Tuzun (Surrey). It will run on Tuesday 27 March 2007 and Wednesday 28 March 2007 starting at 13.00hrs on each day in room COPENHAGEN of the conference center.

The WPMS workshop endeavors to increase the acceptance of DEM-codes for simulation of bulk solids behavior. 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 a summary of a former workshop, which took place mid-2006, followed by an introduction to the issues to be discussed. This plenary will be followed by group-discussion sessions on different aspects by all workshop participants and a final compilation session of the group-work.

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 on Mechanics of Particulate Solids invites the scientific community to join the workshop on DEM simulation of bulk solids behaviour and would encourage participation in PARTEC. Dr Hermann Feise (hermann.feise@basf.com), chair of the working party, welcomes all further enquiries in connection with attendance at the DEM workshop.

More information on the first workshop at the CHOPS-05 conference and on the 2nd workshop during the PARTEC congress 2007 will be available at the EFCE Working Party Mechanics of Particulate Solids website <http://www.efce.info/wpms.html>

CAPE WORKING PARTY NEWS

The CAPE award for long term achievements (LTA) is given in recognition of a collection of outstanding achievements over an extended period of time (> 10 years) to CAPE methods, tools and/or applications for the advancement of science, engineering and technology. Nominations should be sent to the awards committee chairman, Professor Sten Bay Jorgensen (sbj@kt.dtu.dk) with a copy to the CAPE-WP Chairman (rag@kt.dtu.dk) on or before 15 April 2007. The award will be presented to the winner during ESCAPE-18 in Lyon, France. For more details, please visit the CAPE-WP website (www.cape-wp.kt.dtu.dk)

The CAPE-FORUM meeting took place in Maribor, Slovenia on 1–2 February 2007, with close to 50 participants from 11 countries (for more details and copies of the presentations, please visit <http://atom.uni-mb.si/Pri/splstran/index.html>).

The next conference in the ESCAPE-series will take place in Bucharest, Romania, 27–30 May 2007 (for more details, visit www.escape17.upb.ro).