

GRK 2011–Summer Workshop • Venue: Leucorea, Wittenberg • Date : 27th & 28th May, 2011

Programme

27.05.2011, Friday

06:50 Meeting in front of Magdeburg HauptBahnhof

07:12 08:50 Travel from Magdeburg to Wittenberg

09:00 09:40 Mini Breakfast

09:40 09:45 Opening speech by Prof.Bertram

Session Chair : Sebastian Borsch

09:45 10:05 Ee Han A Godunov- type scheme for two phase flows

10:05 10:25 Mubashir Hussain Analysis of 2-compartment model of 1D Agglomeration PBE

10:25 10:45 Klim Kovalev Finite Elements in Ferrofluids

10:45 11:05 Sangeetha R FE simulation of the heat transfer of a droplet impinging on a hot surface

11:05 11:30 Morning Coffee Break

Session Chair : Maimaiti Adili

11:30 11:50 Olakunle Olatunji Numerical Analysis on Particle Sedimentation - A Critical Review

11:50 12:10 Dr. Peter Müller DEM-Simulation of Impact Behaviour of Granules

12:10 12:30 Sören Stein Influence of interfacial effects on the dewatering behaviour of ultrafine particle packings

12:30 12:50 Dr. Azamat Omarov Deformations- und Bruchverhalten von Weizenkoernern

12:50 13:30 Lunch Break

13:30 15:30 City Tour

15:30 16:00 Refreshment with Coffee

Session Chair : Shyamal Roy

16:00 16:20 Yu Sun Investigation of wet wipes by pore network modeling

16:20 16:40 Yujing Wang Visualization of liquid distribution in drying particle aggregates by X-ray MTG

16:40 17:00 Nicole Vorhauer Theoretical and Experimental Investigation of Drying by Pore Network Models

17:00 17:20 Maryam Dadkhah Analysis of agglomeration morphology

17:20 17:50 Afternoon Coffee Break

Session Chair : Koteswara Rao

17:50 18:10 Andreas Kutschke A material model for inelastic behavior of advanced steels

18:10 18:30 Oksana Ozhoga M Creep damage evolution under non-proportional loading

18:30 18:50 Ivan Lvov Micro-macro analysis of anisotropic creep in a multi-pass weld

19:00 Dinner Party

28.05.2011, Saturday

Session Chair : Yujing Wang

08:30	09:00	Jan Kalisch	Crystallographic Texture - Description, Influence, Evolution
09:00	09:10	Esmail Tohidlou	Mechanical Behavior of Metal-Matrix-Composites
09:10	09:30	Sebastian Borsch	Constitutive modeling of a polymeric composite
09:30	09:50	Maimaiti Adili	Inelastic behavior of advanced steels at elevated temperature

09:50 10:20 **Morning Coffee Break**

Session Chair : Oksana Ozhoga M

10:20	10:40	Dr. Ashok Nallathambi	Phase-change problem with Advective effects
10:40	11:00	Pavan Penmakala	A critical review of hot tearing
11:00	11:20	Shyamal Roy	Deformation Twinning of Metals
11:20	11:40	Anna Girchenko	Modelling of micro- & nanostructures made of films and crystals/fibers arrays
11:40	12:00	Stephan Baer	Optical spray investigations

12:00 13:00 **Lunch Break**

Session Chair : Ee Han

13:00	13:20	Florian Schulz	Wall film characterization of DI-engines as a basis for further emission reduction
13:20	13:40	Koteswara Rao	Particle motion study in a flighted rotary dryer
13:40	14:00	Gourisankar Sandaka	Modeling of lime calcination from single particle to macro kiln

14:00 15:00 **Board Meeting for Professors, Coffee break for Others**

15:11 **Return Journey to Magdeburg**
