

Tuesday, 24th September 2013

08:30 **Arrival / Registration**

09:00 **Opening**

09:15 Dongshuang Zhang:
The failure surface for foam structure based on Kelvin Cell

10:15 **Coffee Break**

10:30 Johannes Storm:
Determining the influence of curved struts, anisotropic pores and strut cavities on the effective elastic properties of open-cell foams based on Kelvin cell models

11:30 Benjamin Nassauer:
Incorporating Material Removal in Discrete Element Simulations of Wire Sawing

12:30 **Lunch**

time for individual discussions and leisure activities
(Hiking, Swimming, Bicycling...)

16:15 **Coffee Break**

16:30 Daniel Gloger:
Necessary sampling frequency of the global solution; Error analysis for elastic-plastic submodels

17:30 Anastasiia Gerasimenko:
Residual life predictions of storage with defect in conditions of biaxial loading

18:30 Marco Menzer:
Lambwaves and the detection of defects

19:30 **Dinner**

Wednesday, 25th September 2013

07:30 **Breakfast**

08:30 Jarno Hein:
Functionally graded materials, cracks and J-Post

09:30 Andreas Burgold:
Material forces and J-Integral for TRIP-steels

10:30 **Coffee Break**

10:45 Stephan Roth:
Periodic Boundary Conditions of Rectangular RVE

11:45 Andreas Seupel:
Unit Cell Simulations of a Particle Reinforced Metal Matrix Composite

12:45 **Lunch**

time for individual discussions and leisure activities
(Hiking, Swimming, Bicycling...)

16:45 **Coffee Break**

17:00 Michael Budnitzki:
Modeling Si under contact loading: some considerations concerning elastic non-linearity and anisotropy

18:00 Felix Koch:
Modeling and finite element analysis of in-service welding of gas pipelines

19:00 **Dinner**

Thursday, 26th September 2013

07:30 **Breakfast**

08:30 Thomas Hensl:
Continuum mechanical models for the description of micromechanical behavior of partially stabilized zirconia

09:30 Stefan Soltysiak:
Influence of the Cabores content on the strength of carbon bonded alumina obtained by means of Small Punch Test

10:30 **Coffee Break**

10:45 Yi-Ze Wang:
Screw dislocation in functionally graded magnetoelectroelastic solids

11:45 Lutz Zybell:
Overload effects during fatigue crack growth

12:45 **Lunch**

14:00 Sergii Kozinov:
Modeling of Electromechanical Fracture in Piezo/Ferro-electric Materials

15:00 Alexey Bratskikh:
Modeling and simulation of polycrystalline ferroelectric ceramics at the morphotropic phase boundary

16:00 **Closing**

16:15 **Departure**