

Tuesday, 25th March 2014

08:30 **Arrival / Registration**

09:00 **Opening**

09:15 Michael Budnitzki:
Not-that-simple shear and related problems

10:15 **Coffee Break**

10:30 Felix Koch:
Modeling and finite element analysis of
in-service welding of gas pipelines

11:30 Marco Menzer:
Damage identification with PVDF in two-
dimensional structures using Lamb waves

12:30 **Lunch**

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

16:15 **Coffee Break**

16:30 Sergii Kozinov:
Damage simulation in piezo/ferroelectric
materials subjected to electromechanical
loading

17:30 Daniel Gloger:
Time interpolation of submodel boundary
conditions

18:30 Martin Abendroth:
The Bigoni-Piccolroaz Yield or Failure
Criteria: Possible Applications within
the CRC 920 and other Projects

19:30 **Dinner**

Wednesday, 26th March 2014

07:30 **Breakfast**

08:30 Jarno Hein:
Thermoelastic J-integral for functionally
graded and temperature dependent material

09:30 Andreas Burgold:
About cracks in CrMnNi TRIP steels

10:30 **Coffee Break**

10:45 Stephan Roth:
Fatigue Modelling with a Cyclic Cohesive
Zone Approach

11:45 GERALF HÜTTER:
Micromorphic homogenisation
of a porous medium

12:45 **Lunch**

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

16:15 **Coffee Break**

16:30 Thomas Hensl:
An eigenstrain approach to predict phase
transformation and twinning in partially
stabilized zirconia (PSZ)

17:30 Stefan Soltysiak:
Influence of the Cabores content on the
strength of carbon bonded alumina obtained
by means of Small Punch Test

18:30 Uwe Mühlich, Frank Rabold:
FEM software situation at IMFD

19:00 **Dinner**

Thursday, 27th March 2014

07:30 **Breakfast**

08:30 Marcel Selent:
Mechanical characterization of a thermal
sprayed nickel-base superalloy by means of
the hightemperature small punch test
(HT-SPT)

09:30 Andreas Seupel:
Modeling of Particle Reinforced Metal
Matrix Composites

10:30 **Coffee Break**

10:45 Yi-Ze Wang:
Time-harmonic dynamic Green's functions
for two-dimensional functionally graded
magnetoelastoelectric materials

11:45 Dongshuang Zhang:
Multi-axial brittle failure criteria for open
Kelvin cell foams

12:45 **Lunch**

14:00 Johannes Storm:
Elastic-plastic homogenization of open-cell
foams based on Kelvin cell models

15:00 Benjamin Nassauer:
Introduction to SPH

16:00 **Closing**

16:15 **Departure**