

**Workshop**  
**Micro-Macro-Interactions in Structured Media and Particle Systems**  
**Mai 23-24, 2014 in the NH Hotel in Dessau**

**Small travel guide**

Meeting: 7:30 am at the university campus; **in front of building no. 4**  
Journey: by bus  
Return Journey: we'll leave Dessau at 13:30

**Program**

**Friday**

**09:10 Opening**

Chair: D. Zöllner

09:15	S. Dodla	Parameter identification of lamellar copper-silver composites
09:35	H. Chowdhury	Crystal viscoplasticity of single crystal Ti-Al alloy
09:55	A. Maimaiti	Inelastic behavior of advanced steel at elevated temperature
10:15	E. Tohidlou	Simulation of ECAP process and effect of the hardening models on the grain refinement

**10:30 Coffee Break**

Chair: P. Thiem

10:50	P. Penumakala	Thermomechanical simulation of continuous casting of metals
11:10	J. Köppl	Crack initiation and crack propagation in Mo-Si-B alloys
11:30	J.C. Reiher	The principle of virtual power for 2nd strain-gradient-materials
11:50	O. Prygorniev	Modeling grain boundaries of finite thickness in polycrystals

**12:20 Lunch**

**13:45 Meeting for Excursion**

**14:30 Excursion to the UNESCO World Heritage Site: Bauhaus - Meisterhäuser**

Chair: J.C. Reiher

**16:30 Presentation of Posters (2-3 minutes each)**

R. Gröpler	New numerical method for solving boundary value problems in lime shaft kilns
K. Held	tba
J. Kalisch	Crystallographic texture - Approximation, evolution, and influence in terms of harmonic tensors
A. Kutschke	An inelastic material model for advanced chromium steels
S. Roy	A microscale modelling approach to higher order deformation twinning

G.S. Sandaka	Decomposition behaviour of lumpy limestone particles
F. Schulz	Spray-wall-interaction with wall film forming and evaporation
P. Thiem	Iron-Aluminum coatings under thermal and mechanical loading
Y. Wang	Tomographic visualization and pore network simulation of liquid ring evaporation
M. Weber	Material plasticity
D. Zöllner	An equivalent von Neumann-Mullins-relation for nanocrystalline grain growth

**17:00 – 18:30 Poster session with coffee and cake**

**17:45 – 18:30 Board Meeting**

**18:45 Meeting for Dinner → 19:00 Dinner @ Kartoffelhaus**

### **Saturday**

Chair: J. Kalisch

08:30	M. Ievdokymov	Modeling of packaging behavior in metallic closed-cell foams
08:50	A. Attari Moghaddam	Extraction of effective parameters from pore network simulation
09:10	I. Lvov	Micro-macro analysis of creep behaviour of multipass weld

**09:30 Coffee Break**

Chair: F. Schulz

10:10	N. Vorhauer	Morphology of liquid films in pore networks and how it effects drying
10:30	R. Pashminehazar	Selection of operational parameters for the agglomeration and granulation of maltodextrin by fluidized bed
10:50	A. Kamaranian	DEM simulation of fluidized bed using a coarse particle model
11:10	P. Dragomirov	Comperative analysis of the Di Diesel engine in-cylinder fluid flow applying PIV measurements and CFD simulations

**11:30 Closing Remarks**

**11:50 Lunch**

A small guide to Dessau ...

... or how to get to the Bauhaus and to the Kartoffelhaus

