

# **Réunion Texture & Anisotropie SF2M-DGM 2010**

**Dresden, 19. 03. 2010**

**Dresden University of Technology, Institute of Structural Physics  
Physics Building, Room PHY C213**

**9.00 - 9.10 Welcome address and general informations**

*W. Skrotzki, TU Dresden, R. Penelle, Université Paris Sud*

**9.10 - 9.40 Recrystallization texture evolution in non-ferromagnetic metals under the impact of a magnetic field**

*D.A. Molodov, RWTH Aachen*

**9.40 - 10.10 Ion-beam assisted deposition of highly textured transition-metal nitride films**

*R. Hühne, M. Kidszun, K. Güth, R. Gärtner, L. Schultz, B. Holzapfel, IFW Dresden*

**10.10 - 10.40 Coffee break**

**10.40 - 11.10 Texture and structure control in ultra-low carbon steels by non-conventional sheet manufacturing processes**

*L.A.I. Kestens, R.H. Petrov, J. Sidor, Ghent University*

**11.10 - 11.40 Simulation of the in-plane plastic anisotropy of ultrafine grained aluminum sheets produced by accumulative roll bonding**

*B. Beausir, J. Scharnweber, J. Jaschinski, H.-G. Brokmeier, C.-G. Oertel  
W. Skrotzki, TU Dresden*

**11.40 – 12.10 The deformation texture of AA3103-O after the single point incremental forming process**

*P. Eyckens, J.R. Duflou, A. Van Bael, P. Van Houtte,  
Katholieke Universiteit Leuven*

**12.10 - 13.30 Lunch break**

**13.30 – 14.00 Texture development in non-equal channel angular pressing**

*L.S. Tóth, R. Lapovok, A. Hasani, B. Beausir, C. Gu, Université de Metz*

**14.00 - 14.30 Deformation and recrystallization in severely deformed 5xxx aluminum alloys**

*J. Sidor, R.H. Petrov, L.A.I. Kestens, Ghent University*

**14.30 - 15.00 Texture investigation of severe plastic deformed magnesium by synchrotron and neutron diffraction**

*W. Gan, H.-G. Brokmeier, GKSS Research Centre*

**15.00-15.30 Coffee break**

**15.30 - 16.00 Crystallographic aspects of incommensurate 7M martensite in Ni-Mn-Ga**

Y. Zhang, Z. Li, J. Wang, X. Zhao, L Zuo, C. Esling, *Université de Metz*

**16.30 - 17.00 Statistical analysis of EBSD data from single crystalline grains**

H. Schaeben, F. Bachmann, R. Hielscher, E. Wegert, P. Jupp, W. Pantleon, *TU Freiberg*

**17.00 - 17.30 EBSD data analysis with MTEX – Modeling crystal grains**

F. Bachmann, H. Schaeben, R. Hielscher, *TU Freiberg*

17.30 Possibility to visit Institute of Structural Physics

Laptop and beamer will be supplied!

Speakers should leave enough time for discussion!

**Posters**

**Influence of high magnetic field on the precipitation behavior of primary Al<sub>3</sub>Fe of Al-3.31wt.%Fe alloy during solidification**

L. Li, Y. Zhang, C. Esling, Z., Y. Zuo, J. Cui, *Université de Metz*

**Computational texture analysis with MTEX**

H. Schaeben, R. Hielscher, F. Bachmann, *TU Freiberg*

**Textural evolution and strain paths associated to asymmetrical rolling**

D. Solas, S. Chhann, T. Baudin, R. Penelle, *Université Paris Sud*

Any additional poster presentations are welcome, but please inform us in time!

