

**Polish-German Workshop
on
Materials for Advanced Energy Systems**

Kraków, 17-18.04.2008

Venue:

AGH University of Science and Technology
Al. Mickiewicza 30, Kraków
Building A2, ground floor, room 5

Programme

Thursday, 17.04.2008

10.00-10.15

Welcome

J Lis, Deputy Rector for Cooperation and Development, AGH University of Science and Technology

L Singheiser, Director of the Institute of Energy Research, Forschungszentrum Jülich

10.15-11.00

History of the AGH-FZJ co-operation (H Nickel, S Mrowec, A Czyrska-Filemonowicz)

11.00-11.30

H Schuster, PJ Ennis, A Czyrska-Filemonowicz - "Studies of materials for gas-cooled high temperature reactors"

11.30-12.00: coffee break

12.00-12.30

PJ Ennis, W J Quadackers, A Zielińska-Lipiec, A Czyrska-Filemonowicz - "High Cr steels for advanced power plants"

12.30-13.00

B Dubiel, H Schuster, P Krautwasser, A Wassilkowska, M. Wrobel, HJ Penkalla, A Czyrska-Filemonowicz - "High temperature ODS alloys - microstructure and properties"

13.00-13.30

HJ Penkalla, J Wosik, F Schubert, A Czyrska-Filemonowicz - "Wrought Ni-base superalloys for 700°C power plants"

13.30-14.00

F Schubert, D Danciu, HJ Penkalla, A Czyrska-Filemonowicz - "Ni-base superalloys for gas turbines"

Organizers

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Forschungszentrum Jülich

Friday, 18.04.2008

10.00-10.30

H Ullmaier - “Helium Embrittlement”

10.30-11.00

L Singheiser, J Zurek, WJ Quadakkers – “Significance of water vapour for the oxidation behaviour of Ni-Cr and Fe-Cr alloys in low and high oxygen partial pressure environments”

11.00-11.30

A Gil, L Niewolak, W Shemet, WJ Quadakkers – “Parameters governing protective and non-protective oxide scale formation on γ -TiAl alloys”

11.30-12.00: coffee break

12.00-12.30

A Czyrska-Filemonowicz, PA Buffat, HJ Penkalla - “Characterisation of coating micro/nanostructures in multilayered titanium-base alloys by electron microscopy”

12.30-13.00

G Cempura, HJ Penkalla, F Schubert, A Czyrska-Filemonowicz – “Microstructure and properties of 3rd generation γ -TiAl intermetallics for advanced gas turbines components”

13.30-14.00

M Lipińska-Chwałek, M Feuerbacher, A Czyrska-Filemonowicz, K Urban – “Plasticity of the β -Al₃Mg₂ phase”

14.00- 14.15

Closing

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