Hauptvorträge

Daniel Balzani (Richard-von-Mises Preisträger 2009), Universität Duisburg-Essen
Polyconvex strain energy functions and their application in the area of composite structures and bio materials

Bernd Schmidt (Richard-von-Mises Preisträger 2009), Technical University München
Multiscale analysis of plates and multilayer structures by combining methods of weak convergence and relaxation with estimates related to atomistic approaches.

Martin J. Gander, Université de Genève, Frankreich
Recent developments in domain decomposition

Heinrich Voss , Technische Universität Hamburg-Harburg, Deutschland
New approaches for the numerical solutions of nonlinear eigenvalue problems

Pierre Suquet, L.M.A./C.N.R.S.,Marseille
On the regularity of solutions in plasticity. Implications for homogenization problems.

Barbara Niethammer, University of Oxford, GB
Effective theories for Oswald ripening

Axel Klar,Technische Universität Kaiserslauter, Deutschland
Modelling and numeric simulation

Marc Geers,Eindhoven University of Technology
Mechanics of interfaces across the scales: methodological, numerical and physical aspects.

Detlef Lohse, University of Twente
Rayleigh-Benard turbulence/ Rayleigh benard system

Tadeusz Uhl, AGH University of Science and Technology, Kraków
Structural Health Monitoring as a new tool for structural damages detection, localisation and prediction

Sanjay Govindjee, Eidgenössische Technische Hochschule (ETH) Zürich
Macroscopic models for shape-memory alloys and relaxation theory

Herbert Steinrück, Technische Universität Wien
Fluid flow over heated or cooled horizontal surfaces (asymptotic proberties, singularities, nun-uniqueness, numerical instabilities,…)

Öffentlicher Vortrag

Janusz Steller & Andrzej Tersa, The ENERGA Water Power Plant Straszyn
The ENERGA Group water power activity against a background of selected problems of domestic hydropower development.

Ludwig-Prandtl-Gedächtnisvorlesung

Parviz Moin, Stanford University
Wall turbulence