Hauptvorträge

Frank Allgöwer, Universität Stuttgart - Germany
Nonlinear model predictive control

Martino Bardi, University of Padua - Italy
PDE methods in deterministic and stochastic control

Wolfgang Ehlers, Universität Stuttgart - Germany
Advances in Porous Media Theories with focus on scientific engineering and biomechanics

Paolo Galluzzi, Institute and Museum of the History of Science - Italy
Galileo Galilei on-line: old science, new technology

Kolumban Hutter, Technische Universität Darmstadt - Germany
Avalanches of snow, debris and mud - geophysical examples of thin film flows

Christian Lubich, Universität Tuebingen - Germany
Geometric numerical integration illustrated by the Störmer/Verlet method

Paolo Luchini, University of Salerno - Italy
Numerical optimal control of transitional and turbulent flows

Peter Lugner, Technische Universität Wien - Austria
Modelling in vehicle dynamics of automobiles

Eckart Meiburg, University of California at Santa Barbara
Numerical simulations of dilute, particle laden flows

Volker Nollau, Technische Universität Dresden - Germany
Time-discrete stochastic decision processes

Martin Rumpf, Gerhard-Mercator-Universität Duisburg - Germany
Visual analysis by PDE methods

Endre Süli, University of Oxford, - U.K.
Adaptive finite element methods for partial differential equations

Paul Van Dooren, Catholic University of Louvain - Belgium
A measure of similarity between graph vertices

Tullio Zolezzi, University of Genua - Italy
Well-posedness and conditioning in optimization

Ludwig-Prandtl- Gedächtnisvorlesung

Wolfgang Merzkirch, Universität Essen - Germany
Fluid mechanical problems in flow metering

Öffentlicher Vortrag

Andrea Rinaldo, University of Padua - Italy
Will Venice survive?