

Festkolloquium / Symposium
Recent Advances in Mechanics of Solids and Fluids

on the occasion of the 70th birthday of Professor Franz Ziegler

PROGRAM

Vienna University of Technology

4 February 2008

Festkolloquium / Symposium
Recent Advances in Mechanics of Solids and Fluids
Vienna, 4 February 2008

8.15 - 9.00 Registration

9.00 - 9.45 Opening Ceremony (Chair: F.G. Rammerstorfer):
Opening remarks

Wolfgang Amadeus Mozart: Klaviertrio KV 502, Allegro
Members of the TU-Orchestra

Welcome address by Sabine Seidler
Vice Rector for Research, TU-Vienna

Wolfgang Amadeus Mozart: Klaviertrio KV 502, Allegretto

Welcome address by Josef Eberhardsteiner
Dean of the Faculty of Civil Engineering, TU-Vienna

Astor Piazzolla: Tango "Oblivion"

9.45 - 12.10 First part of the Scientific Program (Chair: C. Adam):

9.45 - 10.20 Jean-Louis Guyader, INSA Lyon:
Acoustic transparency of structures

Coffee break

11.00 - 11.35 Mario Di Paola, University of Palermo:
Fractional calculus in stochastic dynamics

11.35 - 12.10 Wilhelm Schneider, TU-Vienna:
Undular hydraulic jumps and bores

Lunch

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14.30 - 15.40 Second part of the Scientific Program (Chair: H. Irschik):

14.30 - 15.05 Nikita F. Morozov, St. Petersburg State University:
The mechanical problems in nanomechanics

15.05 - 15.40 George J. Weng, Rutgers University:
Mechanics of creep resistance in nanocrystalline solids

Coffee break

16.00 - 17.10 Third part of the Scientific Program (Chair: R. Heuer):

16.00 - 16.35 Alfredo Soldati, University of Udine:
Modelling and simulation of turbulent dispersed flows

16.35 - 17.10 Franz Ziegler, TU-Vienna:
Special design of tuned liquid column-gas dampers for the control of spatial structural vibrations

19.30 Evening Reception in the *Festsaal*
Welcome address by Peter Skalicky
Rector Magnificus of TU-Vienna

Location: Vienna, Karlsplatz 13, Main Building of TU-Vienna, Festsaal

Co-Sponsors:

