



# IFTOMM-Rotordynamics 2010

8th IFTOMM International Conference on Rotordynamics

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Room E

**Session Title** [WeE3] Special and General Problems of Rotating Machines III

**Session Chair** L. S. Andrés (Texas A&M University, United States)

**Date** September 15, 2010 (Wednesday)

**Time** 15:30-16:45

**WeE3-1 15:30-15:55 Stability Analysis of Rotating Composite Shafts Considering Internal Damping and Coupling Effects**

T. N. Baranger, E. Chatelet, M.-A. Andrianoely, and G. Jacquet-Richardet  
(Université de Lyon, France)

**WeE3-2 15:55-16:20 Nonlinear Rotordynamics of Vehicle Turbochargers: Parameters Affecting Sub Harmonic Whirl Frequencies and Their Jump**

L. S. Andrés and A. Vistamehr (Texas A&M University, United States)

**WeE3-3 16:20-16:45 Fluid Force Moments Acting on the Backshroud of a Francis Turbine Runner in Whirling and Precession Motions**

B. Song (Dalian University of Technology, China), H. Horiguchi (Osaka University, Japan), Z. Ma (Dalian University of Technology, China), and Y. Tsujimoto (Osaka University, Japan)