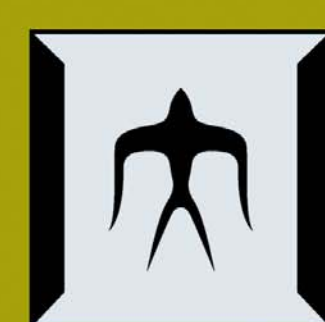


International Joint Workshop on Mechanical Vibration and Robotics towards High Potential Impetus

October 6th, 2006



Date : 6, October, 2006 9:30-19:30
Place : Room No.304 on the 3rd floor of Ishikawa-dai Building No.3 in O-okayama Campus of Tokyo Tech
Organizer : 1. Tokyo Institute of Technology
 The 21st Century COE Program "Innovation of Creative Engineering through the Development of Advanced Robotics"
 2. Tokyo Institute of Technology
 Mechano-infra program
 3. Loughborough University ,UK.
 International Centre of Vibro-impact Systems
Fee : WorkshopParticipation : No charge
 Get-together Party : All participants are kindly requested to pay \3000/person.



Tokyo Institute of Technology
 The 21st Century COE Program
 Mechano-infra program



Loughborough University
 International Centre of Vibro-impact Systems

Program

Opening address	9:30-9:40	Prof. Masaaki Okuma (Tokyo Tech)
First Session Vibro-impact Systems Chair person: Prof. Masaaki Okuma (Tokyo Tech)	9:40-10:20 10:20-11:00 11:00-11:40 11:40-12:20	Prof. Vladimir Babitsky (Loughborough University, UK.) Autoresonant homeostat concept for industrial use of nonlinear vibration modes: Applications in machining, processing, robotics Prof. Raouf Ibrahim (Wayne State University, USA) Ship Roll Dynamics due to Ocean Ice Impact Prof. Vadim Silberschmidt (Loughborough University, UK.) Numerical simulations of Ultrasonically-Assisted Machining Prof. Shigehiko Kaneko (University of Tokyo) Impact Damping Estimation of Loosely Supported Single U-bend Tube used in Steam Generators
Lunch Break	12:20-13:30	
Second Session Dynamics of Robotics Chair person: Prof. Toshio Miyauchi (Tokyo Tech)	13:30-14:10 14:10-14:50 14:50-15:30	Prof. Shigeo Hirose (Tokyo Tech) Latest Robotics Research Projects in 21st Century COE Program of Tokyo Tech Prof. Sadayuki Ujihashi (Tokyo Tech) Construction of Individual Multi-Body Models and Simulation of Passenger Behaviour in Case of Car Accidents Prof. Nobuto Matsuhira (COE Invited Professor) (Tentative) Robot Development in Toshiba R&D Center
Coffee Break	15:30-15:45	

Third Session Prediction of dynamic behavior (Mechano-infra technology) Chair person: Prof. Okuma (Tokyo Tech)	15:45-16:25 16:25-17:05 17:05-17:45	Prof. Jin Chen (Shanghai Jiao Tong University China) Present Status of Noise and Vibration Research in China Dr. Qinhong Shi, (Senior researcher, Japan Aerospace Exploration Agency) Present Status of Acoustic and Vibration Research in Spacecraft Development Prof. Ichiro Hagiwara, (Tokyo Tech) Present Status of Optimization Analysis for Acoustic and Vibration Problems
Closing address	17:45-18:00	Prof. Mitsuru Endo (Head of Department of , Mechanical Sciences and Engineering Tokyo Tech)
Get-together Party Room No.306	18:00-19:30	

