

ENGINEERING MECHANICS UNIT
Jawaharlal Nehru Centre for Advanced Scientific Research
 Jakkur P O, Bangalore 560 064

F l u i d s D a y s

International Symposium
 31 December 2007-1 January 2008

Monday, 31 December 2007

Inaugural Session

Chair: C N R Rao

0830	R Narasimha (JNC) M R S Rao (JNC) P Rama Rao (ARCI)	
0900	K R Sreenivasan (ICTP)	Vortices, particles and superfluidity

0945-1015 **DEDICATION BY PROF. CNR RAO**
 T E A A T E M U , J N C A S R

Session 2

Chair: J Srinivasan

1015-1100	Philip Holmes (Princeton)	Anguilliform swimming by muscle activation of an elastic rod
1100-1145	Ram Ramaswamy (JNU)	Phase control through time-delay coupling
1145-1230	Ajay Sood (IISc)	Nonequilibrium Fluctuation Relation in Sheared Fluids

1230-1315 L U N C H

Session 3

Chair: K S Gandhi

1315-1445	EMU Faculty (JNC) M Alam, S M Deshpande, Arvind Gopinath, Rama Govindarajan , Bharat Khushalani, Roddam Narasimha	Current research at EMU
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Session 4

Chair: N Rudraiah

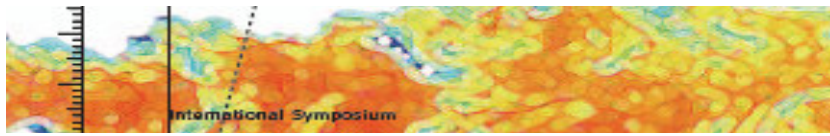
1445-1600	Poster session T E A	
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Session 5

Chair: Kota Harinarayana*

1600-1645	P R Viswanath(IISc)	Turbulent drag reduction using riblets
1645-1730	M Gaster (Queen Mary)	Leading Edge Contamination – Gaster's Bleeding Slot

1930 **C O N C E R T A T N I A S**
 2030 **D I N N E R A T N I A S**



Tuesday, 1 January 2008

Session 6

Chair: Sriram Ramaswamy

0900-0945	I Procaccia (Weizmann)	What determines the angle of a turbulent jet?
0945-1030	Rahul Pandit (IISc)	Homogeneous, Isotropic Turbulence With Polymer Additives
1030-1115	Jaywant Arakeri (IISc)	Hydrodynamic propulsion with flapping flexible foils

1115-1145 T E A

Session 7

Chair: B N Raghunandan

1145-1230	V Kumaran (IISc)	Stability of fluid flow in flexible tubes and Channels
1230-1315	G S Bhat (IISc)	Quasi-periodic Global Oscillations in Sea Level Pressure

1315-1400 L U N C H

Session 8

Chair: A S Vasudeva Murthy

1400-1430	EMU Faculty (JNC) K R Sreenivas, Ganesh S	Current research at EMU
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Session 9

Chair: O N Ramesh

1430 – 1530	Poster session T E A	
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Session 10

Chair: A Prabhu

1530 – 1615	Prabhu Nott (IISc)	The kinematics and statistics of slow, dense granular flows
1615 – 1700	Fazle Hussain (Houston)	Coherent Structures and vortex-turbulence interaction

Session 11

Chair: K R Sreenivasan

1715 – 1830	Panel Discussion	Future of Fluid mechanics research in India
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1900 D I N N E R AT JNCASR

* To be confirmed