



The 31st MUFMECH 2004 Schedule

7:45 BREAKFAST

Session I (Friday Morning, April 2, 2004)

Chairperson: J. Foss KOTGOF: S. Morris

Talk	Time	Speaker	School	Title
	8:25	T. Conlisk	TOSU	Opening Remarks
1	8:30	J. Powers	ND	Two-phase Viscous Modeling of Compaction of Granular Materials
2	8:50	A. Povitsky	UA	Modeling of Plume Dynamics in Laser Ablation
3	9:10	P. Chakraborty	UIUC	Where are the Vortices?
4	9:30	B. Erath	PU	Development of the Unsteady Coanda Effect in Human Phonation
5	9:50	B. Steinhaus, A. Shen	Wash. U.	Elastic Fluids Flowing Inside Microchannels

10:10 - 10:30 COFFEE

Session II (Friday Morning, April 2, 2004)

Chairperson: R. Adrian KOTGOF: K. Cassel

Talk	Time	Speaker	School	Title
6	10:30	C. Petty	MSU	Flow Induced Alignment of Fibers in Simple Shear
7	10:50	A. Cotel	UM	Thermal Impingement on a Stratified Interface - Vorticity and Interface Dynamics
8	11:10	F. Wang	UM	Plasticizer-assisted Nanoimprinting of Biopolymers
9	11:30	K. Chauhan, H. Nagib	IIT	Computations for Pressure and Shear Driven 3D Turbulent Boundary Layer
10	11:50	J. Cao	PU	Brownian Particle Distributions in Tube Flows

12:10 - 1:30 LUNCH Steering Committee Meeting

Session III (Friday Afternoon, April 2, 2004)

Chairperson: P. Merati KOTGOF: G. Baker

Talk	Time	Speaker	School	Title
11	1:30	G. Oweis	UM	Vortex Cavitation Inception and Multiple Vortex Interaction
12	1:50	A. Kasimov	UIUC	On the Direct Initiation of Detonations
13	2:10	S. Sarpotdar, G. Raman	IIT	Suppression of Impingement Tone Noise Using Miniature Powered Resonance Tube Actuators
14	2:30	Y. Li	MSU	Two-point measurements of the Wall-shear-stress Signature Beneath a Separated Flow
15	2:50	P. Mokhasi, D. Rempfer	IIT	Optimal Solution of Direct and Inverse Problems of Contaminant Dispersion
3:10 - 5:30		R and R		
5:30 - 6:30		Dinner		

Session IV (Friday Evening, April 2, 2004)

Chairperson: S. Wereley KOTGOF: A. Naguib

Talk	Time	Speaker	School	Title
16	6:30	T. Corke	ND	Flow Control Using Plasma Actuators
17	6:50	C. Lee, A. Shen	Wash. U	Dip Coating Nanostructured Films
18	7:10	H. An	PU	Flow in a Co-axial Control Valve
19	7:30	S. Stewart	UIUC	Simulation of Detonation Diffraction
20	7:50	R. Brodkey, K. Koeltstzh A. Yusuf H. Erbil	TOSU	On Drag reduction (or the lack thereof) with Super-Hydrophobic Coating Experiments in a Laminar Couette flow

8:15 EVENING SOCIAL GATHERING AT BUTLER LODGE

******Sleep******

7:45 **BREAKFAST**

Session V (Saturday Morning, April 3, 2004)

Chairperson: M. Foster KOTGOF: C. Petty

Talk	Time	Speaker	School	Title
21	8:30	A. Parsons, D. Williams	IIT	Compressor Vane Separation Control with Pulsed-Blowing Flow Control
22	8:50	P. Gnanaprakasam, A. Kumar, T. Conlisk	TOSU	Transient Electroosmotic Flow in Nanochannels
23	9:10	P. Chamrathy	PU	Mixing Characteristics in a 2-D Serpentine Microchannel
24	9:30	C. Lei, T. Conlisk	TOSU	Electroosmotic Mixing in Nanochannels
25	9:50	D. Shannon , S. Morris	ND	A Case Study in the Turbulent Generation of Trailing Edge Sound

10:10 - 10:30 COFFEE

Session VI (Saturday Morning, April 3, 2004)

Chairperson: A. Shen KOTGOF: C. Wark

Talk	Time	Speaker	School	Title
26	10:10	X. Rong, D. Qi	WMU	Permeability Simulation of Flow through Fiber Network
27	10:30	S. Peterson	PU	Diffraction-limited Particle Images and Extraction of Particle Distance from Focus
28	10:50	C. Aphale	UM	Modeling and Parametric Study of Torque in Open Clutch Plates
29	11:10	Hui Hu	MSU	Flow Visualization and Simultaneous Velocimetry and Temperature Measurements in the Wake of a Heated Cylinder
30	11:50	P. Merati, J. Montefort	WMU	Dynamics of the Initial Formation of Taylor Vortices

12:10 - 12:15 CLOSING

12:15 - LUNCH - Cookout!

Posters

Poster	Presenter	School	Title
1.	J. Foss, A. Lawrenz, J. Schwannecke, S. Treat, M. Dusel, M. Norconk	MSU	The Thermal Transient Anemometer
2.	S. Stoipa P. Slaboch S. Morris	ND	Boundary Layer Turbulence at High Reynolds Number
3.	A. Shen Eliot Fried Josh Warren	Wash. U	Dynamics of granular
4.	A. Povitsky	UA	Fluid Dynamics Issues of Synthesis of Carbon Nanotubes

POSTERS FROM ONE AND ALL WILL BE WELCOME. IF YOU LET ME KNOW UP TO WEDNESDAY, I WILL HAVE THEM POSTED ON THE WEB.