



SCHEDULE

The Twenty-Fourth MUFMECH 97 Schedule

Session I (Friday Morning, April 11, 1997)				
Chairperson: J. Foss				
KOTGOF: A. Naguib				
	7:45	BREAKFAST		
Talk No.	Time	Speaker	School	Title
	8:25	P. Merati	WMU	Opening Remarks
1	8:30	E. Alnajjar, A. Naguib, H. Nagib	I I T	A Study of MEMS-Based Mechanical Actuators for Exciting an Axi-Symmetric Jet.
2	8:50	J. Clay, K. Koelling	OSU	Extensional Flow Induced Polymer Degradation: Quantification of Important Flow Parameters.
3	9:10	T. Bress	UM	Flow Visualization of Injection Molding.
4	9:30	W. Liou	WMU	Wake-Generated Unsteady Flow Calculations in a Low Pressure Turbine Cascade using Chimera Grids.
5	9:50	S. Shepel, S. Paolucci	ND	Minimization of the Solidification Time of Long Thin-Wall Ingots.
10:10 - 10:30			COFFEE	

Session II (Friday Morning, April 11, 1997)

Chairperson: J. Powers

KOTGOF: S. Balachandar

Talk No.	Time	Speaker	School	Title
6	10:30	W. Ojeda, C. Wark	I I T	Experimental Space-Time Resolution of Wall Pressure in Turbulent Boundary Layer Flows.
7	10:50	R. Leiweke, P. Turchi	OSU	An Ablation Algorithm for Solid-Fuel Pulsed Plasma Thrusters.
8	11:10	R. Kiesow, M. Plesniak	PU	Near-Wall Phenomena in Shear-Driven Planar 3-D Boundary Layers.
9	11:30	R. Kolkka	MTU	Recent Developments in the Spurt Phenomenon for Polymer Melts.
10	11:50	D. Neal	MSU	Measurement Technique for the A-Pillar Vortex.

12:10 - 1:30

LUNCH

Session III (Friday Afternoon, April 11, 1997)

Chairperson: C. Wark

KOTGOF: R. Kolkka

Talk No.	Time	Speaker	School	Title
11	1:30	V. Golubev	ND	Recent Paradoxes in Unsteady 3-D Cascade Analysis.
12	1:50	I. Sahin	WMU	Prediction of Ship Signatures with a Thin-Ship Approach.
13	2:10	E. Hurlburt	UIUC	Prediction of the Circumferential Film Thickness Distribution in Horizontal Annular Gas-Liquid Flow.
14	2:30	J. Rabchuk	WIU	Receptivity to Harmonic Disturbances of Finite-Width Wakes.
15	2:50	B. Bunner	UM	Rise of 64 Deformable Bubbles due to Buoyancy.

10:10 - 10:30	R & R
5:30 - 6:30	DINNER

Session IV (Friday Evening, April 11, 1997)				
Chairperson: J. Giacomini				
KOTGOF: B. Schultz				
Talk No.	Time	Speaker	School	Title
16	6:30	D. Fabris	IIT	Laminar Breakdown in a Vortex Ring/Wall Interaction; 2D Measurements
17	6:50	V. Gauri, K. Koelling	OSU	An Experimental and Numerical Study of Bubble Penetrating through Viscous and Viscoelastic Fluids in Capillary Tubes.
18	7:10	J. Foss	MSU	The Ausgezeichnet PWM-CTA.
19	7:30	J. Che	UM	Impingement and Solidification of Metal Drops.
20	7:50	S. Aggawal	UIC	Droplet-Vortex Interaction in Two-Phase Shear Flows.

8:15	EVENING SOCIAL GATHERING AT REDWOOD LODGE
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Session V (Saturday Morning, April 12, 1997)

Chairperson: M. Plesniak

KOTGOF: R. Brodkey

	7:45	BREAKFAST		
Talk No.	Time	Speaker	School	Title
21	8:30	S. Kang	UM	LES of Channel Flow using a Grid-Embedding Technique.
22	8:50	J. Kiedaisch, M. Acharya	I I T	Investigation of Incipient Dynamic Stall Over Pitching Airfoils using Hot-Film Sensors.
23	9:10	S. Haam, J. Chalmers, R. Venkat, R. Brodkey	OSU	3-D Representation of Experimental PTV Information in a Bio-Mixing Environment.
24	9:30	C. Hale, M. Plesniak	PU	Film Cooling Flow Physics.
9:50 - 10:10			COFFEE	

Session VI (Saturday Morning, April 12, 1997)

Chairperson: M. Johnson

KOTGOF: T. Corke

Talk No.	Time	Speaker	School	Title
25	10:10	D. Michalek	MTU	The Influence of Nozzle Geometry on Spray Distribution in I.C. Engine Piston Cylinders, a Computational Study.
26	10:30	E. Matlis, T. Corke	IIT	Traveling Cross Flow Mode Development and Interaction.
27	10:50	B. Lu, J. Zakin, Y. Talmon	OSU	A Non-Viscoelastic Surfactant Drag Reducing System.
28	11:10	D. Cusano, M. Plesniak	PU	Velocity and Mixing Field Data in a Channel with an Intersecting Secondary Stream.
29	11:30	Parker, S. Balachandar	UIUC	Instability of the Streamwise Corner Flow.

11:50 - 12:00	CLOSING
12:00 -	LUNCH