

2088

Master WJ
corr.

**20th Annual Midwestern Universities Fluid Mechanics Retreat
April 1, 2 and 3, 1993
Geneva Center, Rochester, Indiana**

PROGRAM

Thursday, April 1

6:00 PM to 11:00 PM

Check-in and Welcoming Party

Friday, April 2

7:30 AM

Breakfast

8:30 AM

Introductory Remarks

8:40 AM

Session I

10:00 AM

Coffee Break

10:20 AM

Session II

12:00 Noon

Lunch

1:30 PM

Session III

3:10 PM

R and R

5:30 PM

Dinner

6:30 PM

Session IV

8:15 PM to ??

Social Gathering at Redwood Lodge

Saturday, April 3

7:30 AM

Breakfast

8:30 AM

Session V

9:50 AM

Coffee Break

10:10 AM

Session VI

12:00 noon

Lunch

Each speaker will be allowed exactly 15 minutes to communicate uninterrupted. A five-minute discussion period will follow. We encourage further discussion at another time during the retreat. FROGs are awarded in the MUFMECH tradition for the following infractions.

- Speaker exceeds the 15 minutes allocated for speaking (1 FROG for each minute)
- Speaker or questioner exceeds the five minutes allocated for discussion
- Participants interrupt the speaker
- Participants refer to other participants using a title; such as, Professor, Doctor, Student, Your Excellency, etc.
- Participants mention the names of funding agencies; such as, the Michigan Department of Fish Science and Technology
- Participants arrive late for a session
- Any other infraction deemed worthy by the KOTGOF

Session Chairpersons are responsible for starting the sessions on time and maintaining the schedule. The KOTGOF (Keeper of Time and Giver of FROGs) for each session is responsible for awarding FROGs according to the rules stated. Participants awarded FROGs must redeem them by contributing \$1.00 per FROG to the refreshment fund.

Session I (Friday Morning April 2)

8:30 (Sharp!) Opening Ceremonies...The torch will be lit by a thrown javelin, etc.

Chairperson: Mike Foster
KOTGOF: Dave Williams

Talk	Time	Speaker(s)	School	Title
1	8:40	Giles Brereton	U of M	<i>Particle Removal by Focused Ultrasound</i>
2	9:00	Brian Saunders Matt Frank Sangtae Kim Frank Traenkle Mary Vernon	U of W	<i>Parallel Computational Strategies for Elliptic PDEs</i>
3	9:20	Zhenhua Xiao Eric Adams	The OSU	<i>Interactive Time-Adaptive Gridding for Boundary Layer Type Equations</i>
4	9:40	Sheryl Patrick Hafiz Atassi	Notre Dame	<i>Acoustic Radiation from an Airfoil in Nonuniform Subsonic Flows</i>
10:00		COFFEE BREAK		

Session II (Friday Morning, April 2)

Chairperson: Charles Petty
KOTGOF: Giles Brereton

Talk	Time	Speaker(s)	School	Title
5	10:20	Millard Johnson	U of W	<i>On Boundary Conditions for Lubrication Theory</i>
6	10:40	John Kiedaisch	IIT	<i>Interaction of a Missile Tip Vortex with a Fin</i>
7	11:00	Kevin Draper Mike Foster	The OSU	<i>Instability of Large Flow Force for Long's Vortices</i>
8	11:20	Syed Ali M. Koochesfahani John Foss	MSU	<i>Estimates of Strouhal Number in a Naturally Excited Two-Dimensional Slit-Jet Flow Field</i>
9	11:40	Steven Schneider	Purdue	<i>Out of My Life and Times with the Ludwig Probe</i>
12:00		LUNCH		

Reg table before lunch
 Receipts
 Cash return as reqd

Session III (Friday Afternoon, April 2)

Chairperson: Field Marshal Dave Malkus
 KOTGOF: Bob Johnson

Talk	Time	Speaker(s)	School	Title
10	1:30	Arne Pearlstein	U of I	<i>The Extraction of 2D and 3D Incompressible Velocity Fields from the Measurement of 1 or 2 Passive Scalars</i>
11	1:50	Mandana Kompani Dave Venerus Barry Bernstein	IIT	<i>Mathematical Modeling of Lubricated Squeezing Flow</i>
12	2:10	Woong-Chul Choi Yann Guezennec	The OSU	<i>In-Situ Calibration of 3-D Particle Image Velocimetry Technique</i>
13	2:30	Daniel Klingenberg	U of W	<i>Relaxation in Electro-rheological Suspensions</i>
14	2:50	Mohammed Gad-el-Hak	Notre Dame	<i>Interactive Control of Turbulent Flows: A Futuristic View</i>
3:10	<i>R and R</i>			
5:30	<i>DINNER</i>			

Session IV (Friday Evening, April 2)

Chairperson: Joe Powers
 KOTGOF: Bob Kolkka

Talk	Time	Speaker(s)	School	Title
15	6:30	Bob Brodkey Seung Joo Haam	The OSU	<i>Index of Refraction Matched Technique for the Study of High Concentration Systems</i>
16	6:50	Jisheng Fang Hafiz Atassi	Notre Dame	<i>Direct Sound Calculation from Cascade in Nonuniform Flows</i>
17	7:10	Hussein Mansy	IIT	<i>Quantitative Measurements of Spanwise Periodic 3D Waves in the Near-wake of a Cylinder at Low Reynolds Number</i>
18	7:30	Chuck Gendrich	MSU	<i>When does Dynamic Stall Begin?</i>
19	7:50	Bill Schultz	U of M	<i>Standing Waves</i>
8:15	<i>SOCIAL GATHERING</i>			

Clean cups/papers, etc. @ end of session

linens, towels,
wash clothes →
pillow cases &
in hall.
JF - 8th refund
cabin! Not IIT

Session V (Saturday Morning, April 3)

Chairperson: Candace Wark
KOTGOF: Scott Stewart

Talk	Time	Speaker(s)	School	Title
20	8:30	Charles Petty K. (Jay) Jayaraman Chilukuri Satyadev	MSU	<i>Stability of Reactive Filling in Resin Transfer Molding</i>
21	8:50	Scott Jones	U of I	<i>On the Chaotic Motion of Solids Through a Liquid</i>
22	9:10	Tom Corke Mahmood Ghassemi	IIT	<i>Secondary Growth of 3-D Modes in Far-Wakes through Tuned and Detuned Subharmonic Resonance</i>
23	9:30	Bob Kolkka Krishna Venkatasubba	MTU	<i>Linear Stability Analysis of Plane Poiseuille Flow of the Johnson Segalman Fluid</i>
9:50	COFFEE BREAK			

Session VI (Saturday Morning, April 3)

Chairperson: Bob Nerem
KOTGOF: Giles Brereton

Talk	Time	Speaker(s)	School	Title
24	10:10	Dave Malkus	U of W	<i>Stability of Step Shear Flows of Viscoelastic Liquids</i>
25	10:30	Quan Qi	U of I	<i>Compressibility Effects on Acoustic Streaming Near a Rigid Plane Boundary</i>
26	10:50	Sergey Suslov Oleg Vasilyev Samuel Paolucci	Notre Dame	<i>Thermo-Convective Instability in a Tall Vertical Cavity</i>
27	11:10	Faith Morrison	MTU	<i>Experiments in Melt Fracture: Work in Progress</i>
28	11:30	Kuldeep Prasad	U of I	<i>Acoustic Pressure Perturbation Interactions with Laminar Flames</i>
11:50	CLOSING REMARKS			
12:00	LUNCH			

Clarify - frogs → social fund