

Arnon Chait
of U-
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9TH ANNUAL MIDWESTERN UNIVERSITIES
FLUID MECHANICS RETREAT
APRIL 15 - 17, 1982
GENEVA CENTER, ROCHESTER, INDIANA

7088

PROGRAM

April 7 1983

FRIDAY, APRIL 16, 1982

7:45 a.m.	Breakfast
8:30 a.m.	Welcoming Remarks
8:40 a.m.	Session I
10:00 a.m.	Coffee Break
10:30 a.m.	Session II
12:30 p.m.	Lunch
1:30 p.m.	Session III
3:10 p.m.	R & R etc.
5:30 p.m.	Dinner
6:30 p.m.	Session IV
8:10 p.m.	Social Hours

SATURDAY, APRIL 17, 1982

7:45 a.m.	Breakfast
8:30 a.m.	Session V
9:50 a.m.	Coffee Break
10:30 a.m.	Session VI
12:15 p.m.	Lunch

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Presentation time will be 15 minutes, followed by a five-minute discussion. Speakers will be awarded a "FROG" at 15 + ε minutes which entitles the recipient to treat the group to one pitcher.

Session Chairman will be responsible for starting the sessions on time - - - please help him out - - -

SESSION I - (FRIDAY, APRIL 16, 1982)

CHAIRMAN: Mike Foster - OSU

KOTGOF* : Alan Cain - ND

<u>Time</u>	<u>Authors</u>	<u>School</u>	<u>Title</u>
8:40	Terry Conlisk	OSU	"The Effect of Source-Sink Geometry on Enrichment in a Gas Centrifuge" <i>side wall effects in water ch.</i>
9:00	A. Alhadad	CSU	"Pulsatile Flows, Heat and Momentum Transfer Studies"
9:20	Becky Pattinson	UM	"Thermo-Siphoning Air Taps"
9:40	Dave Malkus	IIT	"Numerical Simulation of the Lodge Stress Meter"

* * * * COFFEE BREAK * * * *

SESSION II - (FRIDAY, APRIL 16, 1982)

CHAIRMAN: Bahman Ghorashi - CSU

KOTGOF : William Graebel - UM

<u>Time</u>	<u>Authors</u>	<u>School</u>	<u>Title</u>
10:30	Flint Thomas	PU	"Interaction of Acoustics and Turbulence"
10:50	Janusz Grzedzinski	ND	"Integral Formulation and Uniqueness in Unsteady Airfoil Theory"
11:10	Sedat Sami	SIU	<i>Directional Sens. of jets</i> "Self-Modulated Jets"
11:30	C. P. Chen Philip Wood	MSU	"Turbulence Modeling of Two-Phase Jets"

* * * * LUNCH * * * *

*KEEPER OF TIME AND GIVER OF FROGS

SESSION III - (FRIDAY, APRIL 16, 1982)

CHAIRMAN: Thomas Doligalski - ND

KOTGOF* : Terry Conlisk - OSU

<u>Time</u>	<u>Authors</u>	<u>School</u>	<u>Title</u>
1:30	J. Higdon	UI	"Suspension of Non-Buoyant in Viscous Shear Flows"
1:50	J. Lewalle	OSU	"Turbulent Mixing and Chemical Reactor Design"
2:10	Bob Drubka	IIT	"The Development of Turbulent Jets"
2:30	Washington Braga	UM	"A New Approach to Computer Tomography with Application to Compressible Flow Problems"
2:50	Jim Korenchan	IIT	"Data Enhancement by the Entropy Method"

* * * * R & R etc. * * * *

SESSION IV - (FRIDAY, APRIL 16, 1982)

CHAIRMAN: Dave Eddingfield - SIU

KOTGOF: Seppo Korpela - OSU

<u>Time</u>	<u>Authors</u>	<u>School</u>	<u>Title</u>
6:30	Gary Coleman	SIU	"The Effect of Design and Operating Parameters on Hydrocyclone Efficiency"
6:50	Bahran Dabis Charles Petty	MSU	"Measurements of Mean Velocity Profiles in a Hydrocyclone Using Laser Doppler Anemometry"
7:10	Dinesh Naik	ND	"Modeling of Cross-Flow Fans"
7:30	Tom Cork	IIT	"Digital Image Processing in Fluid Mechanics"
7:50	Bob Brodkey	OSU	"Kinetic Elastic Approach for Complex Rheological Materials"

* * * * SOCIAL HOURS * * * *

SESSION V - (SATURDAY, APRIL 17, 1982)

CHAIRMAN: John Way - IIT
KOTGOF* : Thomas Doligalski - ND

<u>Time</u>	<u>Authors</u>	<u>School</u>	<u>Title</u>
8:30	Alan Cain	ND	"Corner Flow Driven by a Moving Boundary"
8:50	Ted Neckowiz	PU	"Measurements in Two-Phase Flow"
9:10	J. D. Carlson	OSU	"Numerical Study of Turbulent Flow over a Valley"
9:30	Frank Mansfield Odus Burggraf	OSU	"Numerical Solution for Supersonic Flow near the Trailing Edge of a Flat Plate at Incidence"

* * * * COFFEE BREAK * * * *

SESSION VI - (SATURDAY, APRIL 17, 1982)

CHAIRMAN: Philip Wood - MSU
KOTGOF: Victor Goldschmidt - PU

<u>Time</u>	<u>Authors</u>	<u>School</u>	<u>Title</u>
10:30	William Graebel	UM	"Free Convection in a Rectangular Box"
10:50	Syed Wahiduzzaman Dan Oren	PU	"Design of a Transducer to Measure Fuel Ignition Rate for a Diesel Injector"
11:10	D. S. Stewart	UI	"Deflagration to Detonation Transition Exhibited in a Model Problem"
11:30	Don Beasley	UM	"Response of a Solar Storage Unit"

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KEEPER OF TIME AND GIVER OF FROGS