

PROGRAM SCHEDULE

TUESDAY JULY 26

- 08:45 am Welcome and Introductory remarks
- 09:00 am *Caricatural Reasoning*
O.Raiman, IBM Scientific Center
- 09:30 am Discussion
- 09:45 am *Setting up Large-Scale Qualitative Models*
B. Falkeinheimer, K. Forbus, Univ. of Illinois
- 10:15 am Discussion
- 10:30 am Break
- 10:45 am *A Process Oriented Approach For Qualitative Modelling
and Analysis of Dynamical System,*
A. Janson-Fleischman, G. Sutschet, FHG-IITB
- 11:15 am Discussion
- 11:30 am *A Logic Programming Approach to Qualitative Process Theory*
S. Bandini M. Bruschi, M.G. Fillipini, A Molesini,
Univ. di Milano
- 12:00 pm Discussion
- 12:30 pm Lunch

TUESDAY JULY 26

2:00 pm *Non-Intersection of Trajectories in Qualitative Phase Space:
A Global Constraint for Qualitative Simulation*
W. Lee and B. Kuipers Univ. of Texas

2:30 pm Discussion

2:45 pm *A Dynamic Perspective on Qualitative Simulation*
E. Sacks, Princeton University

3:15 pm Discussion

3:30 pm *Reasons and Filters for Spurious Behaviors*
P. Struss, Siemens Corp.

4:00 pm Discussion

4:15 pm Break

4:30 pm *Qualitative Reasoning at Multiple Resolution*
S. Murthy, IBM T.J. Watson R.C.

5:00 pm Discussion

5:15 pm *Controlling Qualitative Resolution*
J.L. Dormoy, EDF R.C

5:45 pm Discussion

8:00 pm *Dinner at the France and Choiseul Hotel*
239, Rue Saint Honore

WEDNESDAY JULY 27

- 09:00 am *Qualitative Mechanics: Envisioning The Clock*
P. Nielsen, University of Urbana, Illinois
- 09:30 am Discussion
- 09:45 am *The Use of Metric Diagram in Qualitative Mechanics,*
B. Faltings, University of Lausanne
- 10:15 am Discussion
- 10:30 am Break
- 10:45 am *From Kinematics to Shape: An Approach to Innovative Design*
L. Joskowick, NYU; S. Addanki, IBM TJ Watson R.C.
- 11:15 am Discussion
- 11:30 am *A Qualitative Approach to Structural Mechanics*
G. Adorni, M Burdese, R. Lodo, A. Zucchini, Univ of Geneva.
- 12:00 pm Discussion
- 12:30 pm Lunch

WEDNESDAY JULY 27

- 2:00 pm *Analogic Representations in Naive Physics*
F. Gardin, B. Meltzer, Univ. di Milano
- 2:30 pm Discussion
- 2:45 pm *A Theory for Molecule Structures: The Molecular Ontology*
Theory. S. Bandini, G. Cattaneo,
P. Stofella, Univ. di Milano
- 3:15 pm Discussion
- 3:30 pm *An Analogical Representation of Liquids*
Based on a Physical Mechanism
J. Decuyper, D. Keymeulen, VUB
- 4:00 pm Discussion
- 4:15 pm Break
- 4:30 pm *An Algorithmic View at Causal Reasoning,*
N. Porte, S. Boucheron, J. Sallantin, F. Arlabosse, CRIM
- 5:00 pm Discussion
- 8:30 pm Demo Night

THURSDAY JULY 28

- 09:00 am *Using Incomplete Quantitative Knowledge
in Qualitative Reasoning*
D. Berleant, B. Kuipers, Univ of Texas
- 09:30 am Discussion
- 09:45 am *Steps to Improve Qualitative Simulation*
D. Toal, Univ. of Sussex
- 10:15 am Discussion
- 10:30 am Break
- 10:45 am *Connectivity and Time in Qualitative Simulation*
M. Di Manzo, D. Tezza, E. Trucco, Univ. of Ancona
- 11:15 am Discussion
- 11:30 am *Qualitative Spatial and Temporal Reasoning
in Cardiac Electrophysiology*
J. Hunter, Univ of Aberdeen
- 12:00 pm Discussion
- 12:30 pm Lunch

THURSDAY JULY 28

- 2:00 pm *FROG: Formalism for Representation of Objects in Geology*
 J. Hamburger, IFP
- 2:30 pm Discussion
- 2:45 pm *Minima A Symbolic Approach to Qualitative Algebraic Reasoning*
 B.C. Williams, MIT
- 3:15 pm Discussion
- 3:30 pm *Order of Magnitude Reasoning Revisited*
 P. Dague IBM Paris Scientific Center
- 4:00 pm Discussion
- 4:15 pm Break
- 4:30 pm *Assumption Management in Qualitative Medical Diagnosis*
 K.Downing, Univ of Oregon, J. Shrager Xerox Parc.
- 5:00 pm Discussion
- 5:30 pm *Introducing Action in Qualitative Simulation*
 K. Forbus, Univ. of Urbana
- 6:00 pm Discussion