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IFSA Mathematics Chapter

Bundesministerium
für Wissenschaft und Forschung

Linzer Hochschulfonds

Institut für Mathematik
Johannes Kepler Universität Linz

The whole Seminar takes place at the

Bildungszentrum St. Magdalena
Schatzweg 177
A-4040 Linz, Austria
Phone (0732) 25 30 41 - 0

Meals
Breakfast 8:00 a.m., Lunch 1:00 p.m.

Exchange of foreign currency
Monday, September 11, 1989

SOCIAL PROGRAM

WEDNESDAY, SEPTEMBER 13, 1989

2:00 P.M. EXCURSION INTO THE MÜHLVIERTEL

SPECIAL SUGGESTION

INTERNATIONALES BRUCKNERFEST
(September 10 - October 1, 1989)
including

LINZER KLANGWOLKE (September 10)
ARS ELECTRONICA (September 12 - 17)

APPLICATIONS OF CATEGORY THEORY TO FUZZY SUBSETS

Eleventh International Seminar on Fuzzy Set Theory

PRELIMINARY PROGRAM

BILDUNGSZENTRUM ST. MAGDALENA
LINZ, AUSTRIA

SEPTEMBER 11 - 15, 1989

PROGRAM

All sessions are held in Vortragsraum 2

Morning Session: 9:00 a.m.-12:30 p.m.

Coffee Break: 10:30 a.m.-11:00 a.m.

Afternoon Session: 2:30 p.m.-6:00 p.m.

Coffee Break: 4:00 p.m.-4:30 p.m.

MONDAY, SEPTEMBER 11, 1989

8:45 A.M. OPENING: HANS KNAPP
RECTOR OF THE JOHANNES KEPLER UNIVERSITÄT

9:00 A.M. PETER T. JOHNSTONE (CAMBRIDGE)
"Some variations on the concept of topos"

11:00 A.M. ULRICH HÖHLE (WUPPERTAL)
*"Local existence with respect to
non-classical logics"*

2:30 P.M. PATRIK EKLUND (UMEA)
"Set functors and general spaces"

4:30 P.M. DISCUSSION

TUESDAY, SEPTEMBER 12, 1989

9:00 A.M. LAWRENCE N. STOUT (BLOOMINGTON)
*"The logic of unbalanced subobjects
in a category with two closed structures"*

11:00 A.M. S. E. RODABAUGH (YOUNGSTOWN)
"Generalizations of spatiality and sobriety"

2:30 P.M. WESLEY KOTZÉ (GRAHAMSTOWN)
*"The correspondence between continuous
functions and frame maps"*

4:30 P.M. FRANK KLAWONN (BRAUNSCHWEIG)
"Fuzzy unit interval and paths"

5:15 P.M. DISCUSSION

WEDNESDAY, SEPTEMBER 13, 1989

9:00 A.M. HORST HERRLICH (BREMEN)
"Topological categories"

11:00 A.M. DIETER PUMPLÜN (HAGEN)
"Initial morphisms"

11:45 A.M. DISCUSSION

THURSDAY, SEPTEMBER 14, 1989

9:00 A.M. TOMASZ KUBIAK (POZNAN)
*"Compactness and connectivity:
properties of the fuzzy unit interval"*

11:00 A.M. GIANGIACOMO GERLA (NAPOLI)
*"Pointless metric spaces and
fuzzy metric spaces"*

11:45 A.M. DISCUSSION

2:30 P.M. ULRICH HÖHLE (WUPPERTAL)
*"A model-theoretic version
of the Minlos-theorem"*

3:15 P.M. S. E. RODABAUGH (YOUNGSTOWN)
"Generalizations of coherence"

4:30 P.M. K.N. RANGANATHAN (MADRAS)
*"Functionally determined structures -
a categorical investigation"*

5:00 P.M. DISCUSSION

FRIDAY, SEPTEMBER 15, 1989

9:00 A.M. ROUND TABLE
*"Modal theoretic vis-a-vis
non-modal theoretic fuzzy set theories"*

11:00 A.M. ROUND TABLE
"Open questions in logic and topology"

2:30 P.M. CLOSING SESSION