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FLLL – FUZZY LOGIC LABORATORIUM LINZ

## **LOCATION OF THE SEMINAR**

Bildungszentrum St. Magdalena  
Schatzweg 177, A-4040 Linz (Austria)  
Phone (++43) (732) 25 30 41 - 0  
Fax (++43) (732) 25 30 41 - 35

All sessions are held in Vortragssal 1

### **Meals**

Breakfast 8:00 a.m.  
Lunch 12:30 p.m.

### **Exchange of foreign currency**

Wednesday, September 15, 1:00 p.m. – 2:30 p.m.

## **PROGRAM COMMITTEE**

ERICH PETER KLEMENT (Linz, Austria), Chairman

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## **EXECUTIVE COMMITTEE**

ERICH PETER KLEMENT \* ULRICH HÖHLE \* STEPHEN E. RODABAUGH \* SIEGFRIED WEBER



*15<sup>th</sup> Linz Seminar on Fuzzy Set Theory*

# Applications of Mathematics to Fuzzy Logic

**Bildungszentrum St. Magdalena, Linz, Austria  
September 15–19, 1993**

# PROGRAM

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## WEDNESDAY, SEPTEMBER 15, 1993

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### Session WE1 (Chairman W. Kotzé)

- 09:00 a.m. Opening  
09:15 a.m. S. E. Rodabaugh (Youngstown, USA): *Applications of localic separation axioms, compactness axioms, representations, and compactifications to poslat topological spaces*

10:30 a.m. Coffee Break

### Session WE2 (Chairman W. Kotzé)

- 11:00 a.m. T. Kubiak (Poznan, Poland): *Fuzzy complete regularity and fuzzy Tychonoff*  
11:45 a.m. M. H. Burton (Grahamstown, South Africa): *Fuzzy uniform spaces*

12:30 p.m. Lunch

### Session WE3 (Chairman E.P. Klement)

- 02:30 p.m. V. Nývák (Ostrava, Czech Republic): *Simple formulas in fuzzy logic*  
03:15 p.m. V. Murali (Grahamstown, South Africa): *Continuous lattice-valued algebras*

04:00 p.m. Coffee Break

### Session WE4 (Chairman W. Kotzé)

- 04:30 p.m. Round Table: *Topology*

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## THURSDAY, SEPTEMBER 16, 1993

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### Session TH1 (Chairman S. Gottwald)

- 09:00 a.m. S. Weber (Mainz, Germany): *Measure-free conditioning I*  
09:45 a.m. U. Höhle (Wuppertal, Germany): *Measure-free conditioning II*

10:30 a.m. Coffee Break

### Session TH2 (Chairman S. Gottwald)

- 11:00 a.m. E.P. Klement (Linz, Austria): *Some remarks on triangular norm-based tribes and measures*  
11:45 a.m. R. Mesiar (Bratislava, Slovakia): *On the structure of fundamental triangular norm-based tribes and measures*

12:30 p.m. Lunch

### Session TH3 (Chairman S. Weber)

- 02:30 p.m. E.Pap (Novi Sad, Yugoslavia): *Null-additive set functions*  
03:15 p.m. R. Mesiar (Bratislava, Slovakia): *Decomposable measures and Choquet-like integrals*

04:00 p.m. Coffee Break

### Session TH4 (Chairman S. Weber)

- 04:30 p.m. Round Table: *Conditioning*

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## FRIDAY, SEPTEMBER 17, 1993

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### Session FR1 (Chairman S.E. Rodabaugh)

- 09:00 a.m. S. Gottwald (Leipzig, Germany): *On the solvability of non-elementary fuzzy relational equations*  
09:45 a.m. J.C. Fodor (Budapest, Hungary): *Some functional equations in fuzzy logic*

10:30 a.m. Coffee Break

### Session FR2 (Chairman S.E. Rodabaugh)

- 11:00 a.m. A.Sostak (Riga, Latvia): *Syntopogeneous fuzzy structures*  
11:45 a.m. B. Riecan (Bratislava, Slovakia): *On observables in fuzzy quantum logics*

12:30 p.m. Lunch

02:00 p.m. Excursion

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## SATURDAY, SEPTEMBER 18, 1993

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### Session SA1 (Chairman U. Höhle)

- 09:00 a.m. A. Di Nola (Napoli, Italy): *Yosida type representation for perfect MV-algebras*  
09:45 a.m. F. Gößwald-Bernsau (Wuppertal, Germany): *Classification of rigid  $\sigma$ -complete MV-algebras*

10:30 a.m. Coffee Break

### Session SA2 (Chairmen R. Mesiar, E. Pap)

- 11:00 a.m. Round Table: *Measures*

12:30 p.m. Lunch

### Session SA3 (Chairman V. Nývák)

- 02:30 p.m. J.K. Mattila (Lappeenranta, Finland): *Modifier logic applied to the logic of possibility*  
03:15 p.m. S. Benferhat, D. Dubois & H. Prade (Toulouse, France): *Possibility theory for modelling and reasoning with default rules*

04:00 p.m. Coffee Break

### Session SA4 (Chairman S. Gottwald)

- 04:30 p.m. Round Table: *Logic*

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## SUNDAY, SEPTEMBER 19, 1993

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### Session SU1 (Chairman U. Höhle)

- 09:00 a.m. F. Klawonn (Braunschweig, Germany): *The defuzzification problem*

10:00 a.m. Coffee Break

### Session SU2 (Chairman U. Höhle)

- 10:30 a.m. Round Table: *Control*  
12:15 p.m. Closing

12:30 p.m. Lunch