

12th Annual ORD/OAL

ℓ -groups vs MV-algebras
Bowling Green State University
June 15th through June 18th, 2009

Monday, June 15th. Morning Session:

8:30-8:55 Registration and paper work

9:00-9:15 Introductory Remarks

9:20-10:00 W. Charles Holland (University of Colorado, USA)
Top and bottom varieties of unital ℓ -groups and pseudo MV-algebras

10:20-11:00 Ciro Russo (Università degli Studi di Salerno, Italy)
Semirings and semimodules in Many-Valued logics

11:20-11:40 Brunella Gerla (Università dell'Insubria, Italy)
Local MV-algebras with finite rank and unital ℓ -groups

Monday, June 15th. Afternoon Session:

2:30-3:00 Panel Discussion on Workshop on ℓ -groups and MV-algebras

3:20-4:00 Roberto Cignoli (Universidad de Buenos Aires – CONICET, Argentina)
An extension of the duality between locally finite MV-algebras and multisets

4:20-5:00 Stefano Aguzzoli (Università degli Studi di Milano, Italy)
On the local action of automorphisms of free finitely generated MV-algebras on maximal ideals

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Tuesday, June 16th. Morning Session:

9:00-9:40 Manfred Droste (Universität Leipzig, Germany)
Automorphism groups of totally ordered sets: a retrospective survey

10:00-10:40 Akbar Rhemtulla (University of Alberta, Canada)
On orderable solvable groups in which all right orders are Conradian

11:00-11:20 Homeira Pajoohesh (Medgar Evers College, CUNY, USA)
Intrinsic generalized metrics on ℓ -groups

11:30-12:10 Jorge Martinez (University of Florida, USA)
Torsion classes in ℓ -groups with strong unit

Tuesday, June 16th. Afternoon Session:

2:30-3:10 Vincenzo Marra (Università degli Studi di Milano, Italy)
Bases in lattice-ordered abelian groups and MV-algebras: a survey

3:30-4:10 Peter Jipsen (Chapman University, USA)
Computing in lattice ordered groups and related structures

4:30-5:10 Nick Galatos (University of Denver, USA)
An N_2 -variety of residuated lattices that is not closed under completions

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Wednesday, June 17th. Morning Session:

9:00-9:40 Joan Gispert (Universitat de Barcelona, Spain)
Quasi-varieties of MV-algebras

10:00-10:40 Piotr Wojciechowski (University of Texas at El Paso, USA)
**Strongly adequate model of Łukasiewicz's logic via
MV-algebra embeddings**

11:00-11:20 Tumpa Bhattacharyya (Bowling Green State University, USA)
Cold-filtered ℓ -groups

11:30-12:10 Fred Dashiell (Los Angeles, CA, USA)
**Characterizing classes of topological space by frame identities
involving pseudocomplementes and Heyting implications**

Wednesday, June 17th. Evening: Banquet @ Sam B's

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Thursday, June 18th. Morning Session:

9:00-9:40 Anthony Hager (Wesleyan University, USA)

On hulls of Archimedean ℓ -groups with unit

10:00-10:20 Melvin Henriksen (Harvey Mudd College, USA)

Some remarks on P-spaces and prime ideals of $C(X)$

10:30-10:50 Ramiro Lafuente (Columbia College, USA)

Strongly clean matrix rings over $C(X)$

11:00-11:40 Giovanni Panti (University of Udine, Italy)

Galois strong units in free ℓ -groups

Thursday, June 18th. Afternoon Session:

2:30-3:10 Rick Ball (University of Denver, USA)

The Conrad-Harvey-Holland Theorem

3:30-4:10 Warren Wm. McGovern (Bowling Green State University, USA)

W. Charles Holland

4:30-5:10 Daniele Mundici (University of Florence, Italy)

**Finitely presented and finitely generated projective
MV-algebras and unital ℓ -groups**