

81. Arbeitstagung Allgemeine Algebra (AAA 81)  
81<sup>st</sup> Workshop on General Algebra  
University of Salzburg, February 3 – 6, 2011

*Conference Office / Social Programme*

Thursday, February 3, 2011	
17:00 – 21:00	<i>Conference Office / Registration</i> Natural Science Faculty Building - Wardrobe Auditorium Maximum Phone +43 (0)681 10564039, +43 (0)664 4062474
18:00 – 21:00	<i>Informal Welcome Reception</i> Natural Science Faculty Building - Mensa next Auditorium Maximum

  

Friday, February 4, 2011	
08:30 – 13:00	<i>Conference Office / Registration</i> Faculty of Natural Science Building - Wardrobe Auditorium Maximum Phone +43 (0)681 10564039, +43 (0)664 4062474
18:00	<i>Reception by the Head of the Mathematics Department in Salzburg</i> Natural Science Faculty Building

  

Saturday, February 5, 2011	
19:00 – 23:00	<i>Conference Dinner</i> Restaurant Sternbräu, Griesgasse 23, 5020 Salzburg ( <a href="http://www.sternbrau.com">www.sternbrau.com</a> )

# Scientific Programme

## Sections:

1. *Universal Algebra and Lattice Theory*
2. *Classical Algebra*
3. *Applications of Algebra*
4. *Algebraic Aspects of Mathematical Logic*

Parallel talks in sections are scheduled for 20 minutes in length, followed by a 5 minute discussion period and a 5 minute break in order to allow participants to change sessions.

Friday, February 4, 2011			
	Auditorium Maximum		
09:15 – 09:30	<i>Conference Opening</i>		
09:30 – 10:30	Ágnes Szendrei <i>Generating direct powers of algebras</i>		
10:30 – 11:00	<i>Coffee Break</i>		
	Lecture Hall 402	Lecture Hall 403	Lecture Hall 414
	<i>Section 1</i>	<i>Section 4</i>	<i>Section 2</i>
11:00 – 11:30	Sebastian Kerkhoff <i>Dualizing clones</i>	Radomír Halaš <i>Effect algebras as conditionally residuated structures</i>	Jörg Koppitz <i>Coregular semigroups</i>
11:30 – 12:00	Mike Behrisch <i>On algebras derived from minimal majority clones</i>	Miroslav Kolařík <i>Dynamic effect algebras</i>	
12:00 – 12:30	Reinhard Pöschel <i>Peircean algebraic logic (PAL) and relation algebras</i>	Jan Paseka <i>Meager elements in Archimedean atomic lattice effect algebras</i>	
12:30 – 14:15	<i>Lunch Break</i>		

Friday, February 4, 2011

	Auditorium Maximum		
14:15 – 15:15	Hannes Leitgeb <i>Algebraic and probabilistic structures in epistemology</i>		
15:15 – 15:45	<i>Coffee Break</i>		
	Lecture Hall 402	Lecture Hall 403	Lecture Hall 414
	<i>Section 1</i>	<i>Section 4</i>	<i>Section 2</i>
15:45 – 16:15	Miguel Couceiro <i>On the arity gap of order-preserving functions</i>	Michiro Kondo <i>Weak uninorm based logic and its filter theory</i>	Tobias Schlemmer <i>Linear extensions of partial orders on Abelian groups</i>
16:15 – 16:45	Erkkö Lehtonen <i>Embeddability of countable posets with finite principal ideals into partial orders induced by clones</i>	Jiří Rachůnek <i>Internal states on residuated <math>l</math>-monoids</i>	
16:45 – 17:15	Edith Mireya Vargas <i>C-clones</i>	Jan Kühr <i>Lateral completions of pseudo-BCK-algebras</i>	
17:15 – 17:45	Karsten Schölzel <i>Galois theory for partial clones on finite sets</i>		

Saturday, February 5, 2011

	Auditorium Maximum		
09:15 – 10:15	Tanja Lange <i>Elliptic curve cryptography</i>		
10:15 – 10:45	<i>Coffee Break</i>		
	Lecture Hall 402	Lecture Hall 403	Lecture Hall 414
	<i>Section 1</i>	<i>Section 4</i>	<i>Section 2</i>
10:45 – 11:15	Anna Zamojska-Dzienio <i>A reduction theorem for finitary prevarieties</i>	Jānis Cīrulis <i>Orthoposets: a construction of quantifiers</i>	Erhard Aichinger <i>A remark on the composition of polynomial functions over algebraically closed fields</i>
11:15 – 11:45	Milan Jasem <i>Weak relative uniform convergence in dually residuated lattice ordered semigroups</i>	Eugene Plotkin <i>Algebraic logic and logically-geometric types in varieties of algebras</i>	Daniel Bernstein <i>A classification of detours in proofs of the generalized Nullstellensatz</i>
11:45 – 12:15	Peter Mayr <i>Recognizing partial term functions</i>	Michal Botur <i>New examples of commutative basic algebras</i>	Helmut Länger <i>The zerodivisor graph of a poset</i>
12:15 – 14:15	<i>Lunch Break</i>		

Saturday, February 5, 2011

	Auditorium Maximum		
14:15 – 15:15	Ivan Chajda <i>Basic algebras</i>		
15:15 – 15:45	<i>Coffee Break</i>		
	Lecture Hall 402	Lecture Hall 403	Lecture Hall 414
	<i>Section 1</i>	<i>Section 3</i>	
15:45 – 16:15	Eszter K. Horváth <i>CD-independent subsets in posets and in particular lattice classes</i>	Dietmar Dorninger <i>On spaces of multidimensional probabilities</i>	
16:15 – 16:45	Filip Švrček <i>Lattice-like structures derived from rings</i>	Tatjana Plotkin <i>Algebraic symmetries in knowledge bases</i>	
16:45 – 17:15	Agata Pilitowska <i>Identities in varieties generated by algebras of subalgebras</i>	Marcin Kozik <i>Lack of absorption and Malcev conditions</i>	
19:00 – 23:00	<i>Conference Dinner</i> <i>Restaurant Sternbräu, Griesgasse 23, 5020 Salzburg (www.sternbrau.com)</i>		

Sunday, February 6, 2011

	Auditorium Maximum		
09:15 – 10:15	Goulnara Arzhantseva <i>Amenability and beyond</i>		
	Lecture Hall 402	Lecture Hall 403	Lecture Hall 414
	<i>Section 1</i>	<i>Section 3</i>	<i>Section 2</i>
10:15 – 10:45	Karin Cvetko-Vah <i>On skew lattices and dual discriminator varieties</i>	Sergejs Solovjovs <i>Dual attachment pairs in categorically-algebraic topology</i>	Sinan (Ahmet) Cevik <i>Deficiencies on groups and monoids</i>
10:45 – 11:15	Thomas Laux <i>On convex subsets of a metric space</i>	Rudolf Wille <i>Knowledge Management in University Domains</i>	Eylem Guzel Karpuz <i>Strongly <math>\pi</math>-inverse monoids under Schützenberger product</i>
11:15 – 11:45	<i>Coffee Break - Farewell Snacks</i>		