# Programme of the AAA 86, May 30 – June 2, 2013, Olomouc

## Thursday, May 30

16.00–18.00  Registration

## Friday, May 31

7.30–9.00  Registration

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 8.50–9.00 | [Opening](#opening)  
R. Bělohlávek  
*Factorization of matrices with Boolean and ordinal data*  
Chair: I. Chajda |
| 9.05–10.00 |  
R. Bělohlávek  
*Factorization of matrices with Boolean and ordinal data*  
Chair: I. Chajda |
| 10.00–10.30 | [Coffee break](#coffee-break) |
| 10.30–11.00 |  
D. Jakubíková-Studenovská  
*Homomorphism quasiorder of monounary algebras and slope sequences*  
Chair: P. Jedlička  
J. Cirulis  
*Lattice operations on Rickart *-rings under the star ordering*  
Chair: K. Kaarli |
| 10.30–11.00 |  
D. Jakubíková-Studenovská  
*Homomorphism quasiorder of monounary algebras and slope sequences*  
Chair: P. Jedlička  
J. Cirulis  
*Lattice operations on Rickart *-rings under the star ordering*  
Chair: K. Kaarli |
| 11.10–11.40 |  
S. Radeleczki  
*Tolerances induced by irredundant covering*  
Chair: E. Graczyńska  
E. Lehtonen  
*Reconstructing functions from identification minors*  
Chair: J. Kaleta |
| 11.50–12.20 |  
S. Solovjovs  
*On monoidal nuclei*  
Chair: E. Graczyńska  
C. Glodeanu  
*Factor analysis and order theory*  
Chair: J. Kaleta |
| 12.20–14.00 | [Lunch break](#lunch-break) |
| 14.00–14.50 |  
C. Szabó  
*Finitary aspects of the random poset and its retracts*  
Chair: D. Jakubíková-Studenovská |
| 15.00–15.40 |  
M. Haviar  
*Canonical extensions of lattices*  
Chair: D. Jakubíková-Studenovská  
M. Kondo  
*Characterization of monadic residuated lattices*  
Chair: J. Kaleta |
| 15.40–16.00 | [Coffee break](#coffee-break) |
| 16.00–16.30 |  
E. Aichinger  
*On function compositions that are polynomials*  
Chair: E. Graczyńska  
M. Kondo  
*Characterization of monadic residuated lattices*  
Chair: J. Kaleta |
| 16.35–17.05 |  
A. Dvurečenskij  
*Lexicographic products and n-perfect pseudo effect algebras*  
Chair: E. Graczyńska  
P. Žáček  
*States on effect algebras*  
Chair: J. Kaleta |
| 17.10–17.40 |  
Z. Svoboda  
*Interior and closure operators on bounded residuated lattices*  
Chair: E. Graczyńska  
M. Korbelář  
*Additively divisible commutative semirings: the 1-generated case*  
Chair: J. Kaleta |
# Programme of the AAA 86, May 30 – June 2, 2013, Olomouc

## Saturday, June 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Room</th>
<th>Chair</th>
<th>Speaker/Topic</th>
</tr>
</thead>
</table>
| 9.00–9.50    | 5.007  | Chair: R. Pöschel | **S. Kerkhoff**  
Doing clone theory in categories – what might that be good for? |
| 9.50–10.10   | Coffee break |               |                                                                  |
| 10.10–10.40  | 5.007  | Chair: C. Szabó   | **J. Koppitz**  
Semigroups satisfying $x = x^3$                                                                                     |
| 10.40–10.50  | 5.006  | Chair: S. Radeleczki | **J. Paseka**  
The completeness of Łukasiewicz logic |
| 10.50–11.20  | B. Šešelja |                   | **A. Pinus**  
Some applications of infinitary logical languages in universal algebra                                                     |
| 11.30–12.00  | E. Graczyńska |                | **J. Farley**  
Can we solve Ivo Rosenberg’s 1981 Banff conference question about posets whose width equals that of their lattice of order ideals? |
| 12.10–12.30  | A. Tepavčević |                | **D. Phusanga**  
Lattice induced threshold functions and representations by cuts  
Extended clones of quantifier free formulas |
| 12.30–14.00  | Lunch break |               |                                                                  |
| 14.00–14.50  | D. Stanovský |                | **R. Pöschel**  
Symmetry groups of Boolean functions and how several Galois connections (and their Galois closures) come into play  
H. Länger  
A non-associative generalization of effect algebras |
| 15.00–15.25  | J. Kaleta |                | **A. Jende**  
2-generated finite abelian groups with involution  
Coregular semigroups and the Sylow $p$-subgroups of $S_n$ |
| 15.50–16.10  | Coffee break |               |                                                                  |
| 16.10–16.30  | J. Janda |                | **G. Bičáček**  
Extensions of ordered sets of states from effect algebras onto their McNeille completions  
On some generalization of rank of elements in abelian groups with involution to general case |
| 16.35–17.05  | M. Behrisch |                | **D. Kruml**  
Relational structure theory – localizing algebras and beyond  
Residuated structures on open projections |
|              |        |                  |                                                                  |
| 18.00–22.00(?) | Conference dinner at the open air restaurant Michalský výpad (under roof) |
## Programme of the AAA 86, May 30 – June 2, 2013, Olomouc

### Sunday, June 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>9.00–9.50</td>
<td><strong>G. Dorfer</strong>&lt;br&gt;<em>The fundamental group of fractal sets – order theoretical aspects</em></td>
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<tr>
<td>9.50–10.10</td>
<td>Coffee break</td>
</tr>
<tr>
<td>10.10–10.40</td>
<td><strong>W. Bentz</strong>&lt;br&gt;<em>The effect of nilpotence on the dualizability of an algebra</em>&lt;br&gt;<strong>P. Jedlička</strong>&lt;br&gt;<em>Nuclear semidirect products of commutative A-loops</em></td>
</tr>
<tr>
<td>10.50–11.15</td>
<td><strong>M. Hrbek</strong>&lt;br&gt;<em>Weak bases of modules</em>&lt;br&gt;<strong>J. Opršal</strong>&lt;br&gt;<em>Existence spectrum of distributive Mendelsohn triple system</em></td>
</tr>
<tr>
<td>11.20–11.40</td>
<td><strong>F. M. Schneider</strong>&lt;br&gt;<em>Chaotic actions of topological semigroups</em>&lt;br&gt;<strong>A. Kazda</strong>&lt;br&gt;<em>Absorbing elements and where to find them</em></td>
</tr>
<tr>
<td>11.45</td>
<td>Closing of the conference</td>
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</tbody>
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