

# Algebraic methods in Quantum structures

Hotel Podlesí, Svratka, Czech Republic, September 3–9, 2011

organized by

Department of Mathematics and Statistics, Faculty of Science, Masaryk University

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ESF Project CZ.1.07/2.3.00/20.0051 Algebraic methods in Quantum Logic of the Masaryk University.



INVESTMENTS IN EDUCATION DEVELOPMENT

## Thursday 8. 9. 2011

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|   |                             |   |
|---|-----------------------------|---|
| 7.15 - 8.45   | <i>Breakfast</i>            |   |
| <b>Workshop Algebraic methods in Quantum structures</b> |                             |   |
|   | <i>Jiří Rachůnek</i>        | <i>Chairman</i>   |
| 8.45 - 9.35   | Mirko Navara                | Constructions of quantum structures and states on them        |
| 9.35 - 10.00  | Ivan Chajda                 | Conditionally residuated structures                           |
| 10.00 - 10.25   | <i>Cofee break</i>          |   |
|   | <i>Sergejs Solovjovs</i>    | <i>Chairman</i>   |
| 10.25 - 11.15   | Jānis Cīrulis               | Quantum logic like structures arising in computer science     |
| 11.15 - 11.40   | Radomír Halaš, Michal Botur | On very true operators on pocrimis                            |
| 11.40 - 12.05   | Jan Kühn                    | Finitely generated varieties of distributive effect algebras. |
| 12.05 - 12.30   | Jan Krňávek                 | Basic algebras and lattice-ordered loops                      |
| 12.30 - 13.15   | <i>Lunch</i>                |   |
| 13.15 - 16.30   | All participans             | Informal gathering  |
| 16.30 - 17.00   | <i>Cofee break</i>          |   |

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## Friday 9. 9. 2011

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|---|----------------------------|--|
| 7.15 - 8.45   | <i>Breakfast</i>           |  |
| <b>Workshop Algebraic methods in Quantum structures</b> |                            |  |
|   | <i>Gejza Jenča</i>         | <i>Chairman</i>  |
| 8.45 - 9.15   | Jan Paseka, Josef Niederle | On a solution of Jenča's problem                               |
| 9.15 - 9.40   | Sergejs Solovjovs          | Quantale algebras as a generalization of lattice-valued frames |
| 9.40 - 10.10  | <i>Cofee break</i>         |  |
|   | <i>Radomír Halaš</i>       | <i>Chairman</i>  |
| 10.10 - 10.30   | Miroslav Kolařík           | Very true operators in effect algebras                         |
| 10.30 - 10.55   | Gejza Jenča                | Regular partitions and linear extensions of finite posets      |
| 10.55 - 11.20   | Radek Šlesinger            | Morphisms in quantum triads                                    |
| 11.20 - 11.45   | Jiří Janda                 | Weakly ordered partial groups of linear operators              |
| 12.00 - 12.45   | <i>Lunch</i>               |  |
| 13.15 - 16.20   | All participans            | Informal gathering   |
| 16.20 - 16.50   | <i>Cofee break</i>         |  |

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