

About International Conference MITI2018 *

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The conference is a homage to the illustrious mathematician Valentin Belousov, the founder of the Theory of Quasigroups and Loops in the former USSR, doctor habilitate in physics and mathematics, professor, correspondent member at the Academy of Pedagogical Sciences of the USSR, the laureate of the State Prize of the Republic of Moldova. Professor Valentin Belousov received the Order of the Red Banner of Labour and was a deputy of the Supreme Soviet of the Moldavian SSR.

The conference was held at Alecu Russo Balti State University, Republic of Moldova, in the period of April 19-21, 2018 and constituted a good opportunity to promote new achievements in the field of mathematics, informatics, IT and didactics. The main goal was to offer researchers (both experienced and young) from Moldova and other countries a place for meetings and participation in discussions.

As co-organizers of the International Conference MITI2018 there were: Mathematical Society of the Republic of Moldova; Institute of Mathematics and Computer Science, Tiraspol State University (Chisinau, Moldova); Alexandru Ioan Cuza University (Iasi, Romania); and Vasyl' Stus Donetsk National University (Vinnytsia, Ukraine).

The International Conference MITI2018 started with two interesting tutorials: *New Trends in Artificial Inteligence* (P. Rebeja, Centric IT Company, Iasi, Romania) and *From Robotics to Internet of Things* (A. Catariov, M. Colomina, C. Gasca, Endava IT Company, Chisinau, Moldova). In the afternoon of the same day the ex-collaborators, colleagues and disciples of Prof. Valentin Belousov attended a special round table dedicated to his achievements: Cor.Mem. C. Gaidric (Chisinau, RM), Prof.V.Cabac (Balti, RM), Prof.I.Valuță (Chisinau,

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RM), Prof.F.Sokhatsky (Vinnytsia, Ukraine) and so on. Each of them spoke about results of the famous mathematician, his style of work, and current research that represents continuation of V. Belousov's work.

The next day of MITI2018 began with the Opening Festivity and Welcome Speech from the Prime Vice-Rector, Assoc.Prof., PhD. N.Gașitoi, Prof., PhD. V.Cabac and Cor.Mem., Prof. C.Gaindric. The event continued with plenary and invited speakers sessions and paper presentations in sections. There were communications at the conference plenary session, which wakened the interest to the audience: *Topological games and its applications* (M. Choban, P. Kenderov, J. Revalski), *Digitization of Old Romanian Texts Printed in the Cyrillic Script* (S. Cojocaru, T. Bumbu, A. Colesnicov, L. Malahov) and *Well-posedness for a nonlinear second-order anisotropic diffusion problem* (C. Moroșanu).

The invited speakers presented their communications dedicated to actual trends of research in mathematics, informatics and didactics: Jon D. Phillips – *Three Variations on a Theme by Moufang* (Department of Mathematics and Computer Science Northern Michigan University, USA), Toma Albu – *Preradicals in modular lattices, with applications to Grothendieck categories and torsion theories* (Simion Stoilow, Institute of Mathematics of the Romanian Academy, Romania), Panos Yannakopoulos – *Educational Digital Multicultural Environment* (Department of Computer Systems, University of West Attica, Greece).

The reports were presented in 6 sections including *Computer science & IT*. The book of communications includes 116 papers by authors from Moldova, Romania, Ukraine, Russia, Georgia, Armenia, Belarus, Tajikistan, Bulgaria, Turkey and USA.

At the end of the conference the Award Committee (Prof. V. Cabac, Acad. M.Choban, Cor.Mem. S.Cojocaru, Cor.Mem. C.Gaindric) selected a number of works to be awarded: “Best Paper awards” – Prof. F. Sokhatsky (Vinnytsia, Ukraine); “Best Student Paper award” – PhD Student N. Bleandura (Balti, Moldova); “Best Presentation award” – PhD Student I. Budanaev (Chisinau, Moldova).

The third day of the conference was dedicated to informal discussions outside the university. It was a great time to exchange ideas for new international research and collaboration projects.