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The Sixth International Workshop – 2015 “Constructive Methods for Non-linear Boundary Value Problems”

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**THE SIXTH INTERNATIONAL WORKSHOP – 2015
“CONSTRUCTIVE METHODS FOR NON-LINEAR BOUNDARY
VALUE PROBLEMS”**

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In the period from 9th July to 12th July, 2015, the Sixth International Workshop – 2015 “Constructive Methods for Non-Linear Boundary-Value Problems” had taken place in Miskolc, Hungary. The list of participants and the program of the meeting can be found on the workshop web site:

<http://mat76.mat.uni-miskolc.hu/bvpworkshop/about>

The workshop was organized by the Institute of Mathematics of the University of Miskolc and Institute of Mathematics of the Academy of Sciences of Czech Republic in cooperation with the Regional Committee of the Hungarian Academy of Sciences in Miskolc and Junior Mathematical Society in Miskolc.

The scope of the conference covered various topics related to the modern theory of boundary value problems in a broad sense, including initial value and periodic problems for functional differential equations, differential variational inequalities, certain singular problems, the method of lower and upper functions, stability analysis, limit cycles, problems with state-dependent impulses, sign-constant and oscillatory solutions of boundary value problems, certain topics of theory of integral, viability and invariance in set-valued dynamics, differential-algebraic systems, vector valued metric approach in the theory of differential equations and inclusions, semilinear hyperbolic functional differential equations, boundary value problems with nonlocal conditions, asymptotic decompositions, multivalued operators and related fixed point theorems, numerical-analytic methods for boundary value problems, discontinuous differential equations with delayed or advanced arguments, equations with p -Laplacian, and Navier–Stokes equations.

The workshop was attended by more than 50 researchers from China, Chile, Czech Republic, Hungary, Latvia, Poland, Romania, Russia, Slovak Republic, and Ukraine, who held 20 and 30 minute lectures.

The Organizing and Program Committee of the workshop consisting of V. Berinde, A. Cabada, J. Diblík, A. Domoshnitsky, J. Džurina, M. Fečkan, R. Hakl, P. Körtési, V. Marinec, I. Piller, M. Perestyuk, A. Petruşel, I. Rachůnková, A. Rontó, M. Růžičková, A. Samoilenko, F. Sadyrbaev, S. Staněk, J. Szigeti, M. Tvrdý and the author of

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This meeting was a continuation of the five previous workshops held in Miskolc in 2000 and 2003, in Sárospatak in 2006 [2], in Eger in 2009 [3], and in Tokaj in 2012 [1].

We hope that the fruitful tradition of this kind of “compact” international meetings oriented mostly at the exchange of ideas of researchers working in closely related fields will continue in the future.



The participants of the workshop in front of the university main building

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