

The program of Russian-Vietnamese-Chinese Workshop

Numerical Methods of Solving Inverse and Ill-posed Problems of Natural Sciences

**Novosibirsk, Institute of computational mathematics and mathematical geophysics SB RAS
Thursday, October 11, 2018, The memorial office (3-346)**

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|---------------|--|----------------------|
| 9.00 – 9.10 | The opening ceremony | |
| 9.10 – 9.40 | Coefficient identification problems in elliptic equations | Dinh Nho Hao |
| 9.40 – 10.00 | Centre for informatics and computing | Pham Hong Quang |
| 10.00 – 10.20 | An novel efficient approach to nonlinear fourth order boundary value problems | Dang Quang A |
| 10.20 – 10.50 | Direct and inverse problems of capillary hydrodynamics and heat transfer | Igor V. Marchuk |
| 10.50 – 11.10 | Coffee break | |
| 11.10 – 11.30 | Numerical regularization of the continuation problems | Maxim A. Shishlenin |
| 11.30 – 11.50 | Inverse source problems for advection-diffusion-reaction models with image-type measurement data | Alexey V. Penenko |
| 11.50 – 12.10 | Algorithms and technical solutions of GPR | Kazizat T. Iskakov |
| 12.10 – 12.30 | Optimization approach for solving of inverse problems in natural sciences described by PDE and ODE | Olga I. Krivorotko |
| 12.30 – 12.45 | Direct method of recovering acoustic properties of the medium | Nikita S. Novikov |
| 12.45 – 13.00 | Identification of chemical reaction rates in a catalytic reactors | Alexey Prikhodko |
| 13.00 – 13.25 | Continuation problems of the equations of mathematical physics by data given on the part of the boundary | Sergey I. Kabanikhin |