

## PROGRAM

### WORKSHOP The perturbation of the generalized inverses, geometric structures, fixed point theory and applications

**29.8.2016**

- 14.00-15.00 **Re@WBC project** promotion at XIX Geometrical seminar

Some of the project members will talk about the roles and goals of the Re@WBC project as well as about the enhancement of HE research potential at WBC Universities

- 15.00-15.15 Chunyuan Deng, South China Normal University, Guangzhou, China

*On generalized invertibility of operators*

- 15.15-15.30 Cvetkovic-Ilic Dragana, Faculty of Science and Mathematics, University of Nis, Serbia

*Generalized inverses and some problems of completions of operator matrices*

- 15.30-15.45 Jelena Visnjic, Medical Faculty , Nis, Serbia

*The Drazin inverse for the sum of two matrices and representations*

- 15.45 -16.00 Ke Yuanyuan, Department of Mathematics, Southeast University, Nanjing

*The (b,c)-inverse of products and lower triangular matrices*

- 16.00-16.15 Pavlovic Vladimir, Faculty of Science and Mathematics, University of Nis, Serbia

*Completions of upper-triangular matrices to Kato nonsingularity*

- 16.15 -16.30 Jianlong Chen, Southeast University, Nanjing, China

*The inverse along an element in semigroups and rings*

- 16.30-16.45 Ljubica Velimirovic, Faculty of Science and Mathematics, University of Nis, Serbia

*Note on infinitesimal bending of knots*

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30.8. 2016

- 15.00-15.15 Miodrag Mateljevic, SANU, Belgrade Serbia

*Schwarz lemma, the Caratheodory and Kobayashi metrics and applications in complex analysis*

- 15.15-15.30 Qingxiang Xu ,Department of Mathematics,Shanghai Normal University, PR China

*Norm estimations for the Moore-Penrose inverse of multiplicative perturbations of matrices*

- 15.30-15.45 Wenrong Dai,Department of Mathematics,Shanghai Normal University

*Asymptotic stability of combination of contact waves with rarefaction waves for one-dimensional radiative hydrodynamic systems*

- 15.45 -16.00 Milan Tasic, Faculty of Science and Mathematics, University of Nis, Serbia

*Computations of Weighted Moore-Penrose inverse of rational matrices using Database storage system*

- 16.00-16.15.Predrag Stanimirovic, Faculty of Science and Mathematics, University of Nis, Serbia

*Recurrent neural network approach to computation of generalized inverses*

- 16.15 -16.30 Ivan Stanimirovic, Faculty of Science and Mathematics, University of Nis, Serbi

*Computing Aluthge and Duggal transform of polynomial matrices with complex coefficients*

- 16.30-16.45 Marija Cvetkovic, Faculty of Science and Mathematics, University of Nis, Serbia

*Fixed point theorems of Perov type and Ulam's stability*

- 16.45-17.00 Olivera Stanimirovic, Faculty of Science and Mathematics, University of Nis, Serbia

*Generalized graphical method of linear programming*