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
  Present project members will talk about roles and goals of Re@WBC project as well as about 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, Serbia
  *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*