
Friday
May 4

CS02
Contributed Session 02
10:45 AM - 11:45 AM
WLB208

TALK CANCELED
~~10:45-11:15 Positivity
Properties of Some
Non-Negative Matrices~~
~~*Isha Garg, National Institute of
Technology, Jalandhar*~~

CHANGE OF TIME
**10:45-11:15 Upper and Lower
Bounds for Sines of Canonical
Angles**
*Zoran Tomljanovic, J. J.
Strossmayer University of Osijek*
**11:15-11:45 Spectral
Decomposition of Selfadjoint
Matrices in Positive
Semi-Definite Inner Product
Spaces and Its Applications**
*Pingping Zhang, Chongqing
University of Posts and
Telecommunications*

Friday
May 4

MS10 Part II
**Generalized Inverses and the
Linear Least Squares**
3:00 PM - 5:00 PM
WLB104

Within this minisymposium we will consider some actual problems of the generalized inverses, generalized invertibility of operators, representations of the Drazin inverse, least squares problem, and computing generalized inverses using gradient neural networks and using database stored procedures. We will develop the relationship between generalized inverses and the linear least squares problem with applications in signal processing.

Organizers:
*Dragana Cvetkovic Ilic, Faculty of
Science and Mathematics, University
of Nis, dragana@pmf.ni.ac.rs*
*Ken Hayami, Principles of
Informatics Research Division,
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*Yimin Wei, School of Mathematical
Sciences, Fudan University,
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**3:00-3:30 Randomized
Algorithms for Core Problem
and TLS Problem**
*Liping Zhang, Zhejiang University of
Technology*

**3:30-4:00 Condition Numbers of
the Multidimensional Total
Least Squares Problem**
Bing Zheng, Lanzhou University

**4:00-4:30 Fast Solution of
Nonnegative Matrix
Factorization via a
Matrix-Based Active Set
Method**
*Ning Zheng, National Institute of
Informatics*

NEW TALK
**4:30-5:00 Computing the
Inverse and Pseudoinverse of
Time-Varying Matrices by the
Discretization of
Continuous-Time ZNN Models**
Marko D. Petković, University of Niš

Friday
May 4

CS04
Contributed Session 04
3:00 PM - 4:30 PM
WLB211

**3:00-3:30 Log-determinant
Non-Negative Matrix
Factorization via Successive
Trace Approximation**
Andersen Ang, Université de Mons

CHANGE OF TIME
**3:30-4:00 A Low-Rank
Approach to the Solution of
Weak Constraint Variational
Data Assimilation Problems**
*Daniel L.H. Green, University of
Bath*
**4:00-4:30 Optimization Methods
on Problems with Generalized
Orthogonality Constraints**
Hong Zhu, Jiangsu University

UPDATED INFORMATION
CHANGE OF LOCATION
**4:30-5:00 Computing the
Inverse and Pseudoinverse of
Time-Varying Matrices by the
Discretization of Continuous-
Time ZNN Models**
Marko D. Petković, University of Niš
Move to Friday May 4, MS10 Part II,
4:30-5:00, WLB104
