

Garching/Munich,  
Germany,  
13 - 15 April, 2011  
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QuGOMS'11 | Web site: [www.gih.uni-hannover.de/qugoms2011](http://www.gih.uni-hannover.de/qugoms2011) |

## Thursday, April 14, 2011

### Session 2: Theoretical Studies On Combination Strategies And Parameter Estimation

08:30-09:00 [Combination Of Different Space Geodetic Data Types In Order To Compute Terrestrial Reference Frames And Time Series Of Geophysical Parameters \(invited talk\)](#)

Seltz, Manuela (Germany)

09:00-09:20 [A Summary On Inequality Constrained Adjustment](#)

Jianjun, Zhu; Jian, Xie (China)

09:20-09:40 [W-Ratio Test As An Integer Aperture Estimator: Pull-In Regions And Ambiguity Validation Performance](#)

Li, Tao; Wang, Jinling (Australia)

### Session 3: Recursive State-Space Filtering

09:40-10:10 [Alternative Nonlinear Filtering Techniques In Geodesy For Dual State And Adaptive Parameter Estimation \(invited talk\)](#)

Alkhatib, Hamza (Germany)

10:10-10:30 [A Kalman Filter-Based Approach To Combining And Predicting Earth Orientation Series](#)

Gross, Richard (USA)

11:00-11:30 [State-Space Filtering With Respect To Data Imprecision And Fuzziness](#)

(invited talk)

Neumann, Ingo; Kutterer, Hansjörg (Germany)

11:50-12:10 [Robust Kalman Filtering Applied To Real-Time Reduced Kinematic Orbit Determination Using Equivalent Weights](#)

Sharifi, Mohamad Ali; Abbas Hadi, Masoud; Khodabandeh, Amir; Seif, Mohamad Reza (Iran)

12:10-12:30 [Principles And Comparisons Of Various Adaptively Robust Filters With Applications In Geodetic Positioning](#)

YANG, Yuanxi; XU, Tianhe; XU, Junyi (China)

### Session 4: Sensor Networks And Multi Sensor Systems In Engineering Geodesy

14:00-14:30 [Recent Impacts Of Sensor Network Technology On Engineering Geodesy \(invited talk\)](#)

Heunecke, Otto (Germany)

14:30-14:50 [Extended Similarity Transformation As A Tool For Deformation Analysis](#)

Even-Tzur, Gilad (Israel)

14:50-15:10 [Response Automation In Geodetic Sensor Networks By Means Of Bayesian Networks](#)

Horst, Sebastian; Alkhatib, Hamza; Kutterer, Hansjörg (Germany)

15:10-15:30 [Design Of Artificial Neural Networks For Change-Point Detection](#)

Neuner, Hans (Germany)

15:50-16:20 [Parametric Modeling Of Static And Dynamic Processes In Engineering Geodesy \(invited talk\)](#)

Eichhorn, Andreas (Germany)

16:20-16:40 [Efficiency Optimisation Of Surveying Processes In Building Construction](#)

Rehr, Ilka; Kutterer, Hansjörg (Germany)

16:40-17:00 [Modeling And Propagation Of Quality Parameters In Engineering Geodesy Processes In Civil Engineering](#)

Schweitzer, Juergen; Schwieger, Volker (Germany)

17:00-17:20 [Quality Assessment Of Low-Cost GPS Antennas For Use In Geodesy](#)

Wieser, Andreas; Niedermayr, Stefan (Austria)