



**Second Workshop on
Application of Artificial Intelligence and Innovations
in Engineering Geodesy (AIEG 2010)**

**June 16, 2010
Braunschweig, Germany**

Technical Program:

- 9.00 – 9.15: Welcome Address**
(Michael Heinert, Björn Riedel, Alexander Reiterer, Uwe Egly)
- 9.15 – 10.00: Keynote „On the Role of AI Techniques in Engineering Geodesy“**
(Hansjörg Kutterer – Leibniz University Hannover, Germany)
- 10.00 – 10.30 Coffee Break**
- 10.30 – 12.30 Technical Session I** (Session Chair: Uwe Egly)
„Intelligent Deformation Interpretation“
(Tanja Vicovac – Vienna University of Technology, Austria)
- „Deformation Analysis of an Arch Dam Using AFIS“
(Seyfullah Demirkaya – Yildiz Technical University, Turkey)
- „Modelling Deformations of a Lock by Means of Artificial Neural Networks“
(Hans Neuner – Leibniz University Hannover, Germany)
- „Recognition of building features in high-resolution SAR and optical imagery“
(Jan Wegner – Leibniz University Hannover, Germany)
- 12.30 – 14.00 Lunch Break**
- 14.00 – 14.45: Tutorial I „Application of Evolution Strategy in (Satellite) Geodesy“**
(Enrico Mai – Technical University of Berlin)
- 14.45 – 15.15: Coffee Break**
- 15.15 – 15.45: Tutorial II „Introduction into Kriging-Methods“**
(Dagmar Söndgerath – Technical University Braunschweig, Germany)
- 15.45 – 16.30: Tutorial III „Support Vector Machines – Theoretical Overview and First Practical Steps“**
(Michael Heinert – Technical University Braunschweig, Germany)
- 16.30 – 16.45 Closing Session**
- 19.00: Dinner in a Typical Brew-House („Schadt's Brauerei Gasthaus“)**
(not included in the registration fee)