

Doris Amacher

## Guided tour to the Meydenbauer cameras

### Eidgenössisches Archiv für Denkmalpflege

Meeting point: Conference Desk, Institute of Geological Sciences, Baltzerstrasse 3, Friday, 28<sup>th</sup> 15.00  
Cost: 5 CHF (for public transportation)



Prof. em. Dr. Jörg Albertz

## Bilder als historische Dokumente

### Albrecht Meydenbauer als Pionier der Denkmalpflege

Public opening lecture (free Admission)  
Friday, November 28<sup>th</sup> at 18.30:  
University main building, „Kuppelsaal“

In 1839 Arago presented photography for the first time to the French academy of sciences. 19 years later, Albrecht Meydenbauer, a young architect, had the idea to use photographic images for the documentation of buildings. From this moment he worked with great enthusiasm for the technical realization of his idea, and he fought against many obstacles for its acceptance as a documentation method. Meydenbauer was aware of upcoming risks for cultural objects. He was convinced that the most important cultural heritage objects should be recorded in such a way that they could even be reconstructed in cases of destruction. In recent times the prime interest in imagery has shifted from mere documentation towards image analysis and manipulation as well as to optical illusions.

## Fees / Registration

50CHF / 30€ or 25CHF / 15€ for students  
Please register until November 10<sup>th</sup>, 2008 by mail:  
[register.maps@lists.unibe.ch](mailto:register.maps@lists.unibe.ch)

Conference desk hours: Friday, 14.00 - 17.00  
Saturday, 8.00 - 18.00  
Sunday, 8.00 - 10.00

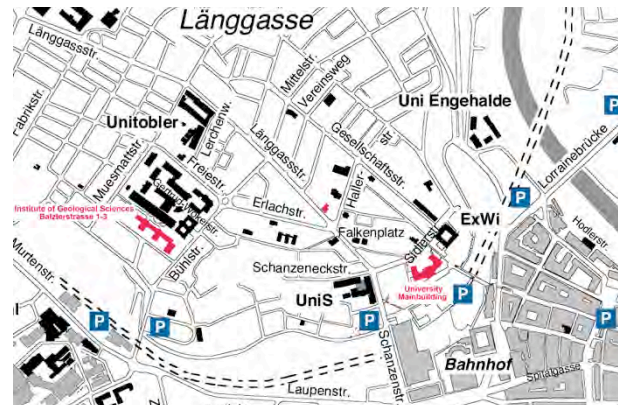
At the Institute of Geological Sciences, Baltzerstr. 3

## Funded by:

Mittelbauvereinigung der Universität Bern and Max  
Elsa Beer Brawand Foundation.

## Venue

Public opening lecture on Friday, November 28<sup>th</sup> at  
18.30: University main building, „Kuppelsaal“  
Saturday and Sunday, November 29<sup>th</sup> and 30<sup>th</sup>, 2008:  
Institute of Geological Sciences, Baltzerstrasse 1+3



## Organizers

Dirk Rieke-Zapp, Ralph Rosenbauer, Susanne  
Rutishauser and Heidi Haas, University of Bern  
Alexander Reiterer, Vienna University of Technology

## Contact

[info.maps@lists.unibe.ch](mailto:info.maps@lists.unibe.ch)

# Historic maps and imagery for modern scientific applications



International scientists from several different disciplines meet in Berne to discuss their research which is partly or even completely based on the analysis of historical data, i.e. imagery, maps or city models. A wide variety of topics from Archeology, Geodesy, Geomorphology, History, and other disciplines are presented in four thematic blocks tied together by the use of similar data sources and analysis methods. The interdisciplinary approach allows to present potential data sources (archives), to learn about analysis of available data (imagery, maps, city models, etc.) and to understand for what kind of research questions historic data may be utilized.

## International Congress

Friday, 28<sup>th</sup> until Sunday 30<sup>th</sup> November  
University of Bern

[my ub]

MITTELBAUVEREINIGUNG  
UNIVERSITÄT BERN

u<sup>b</sup>

UNIVERSITÄT  
BERN

# Programme

## Saturday, 29<sup>th</sup> November 2008

08.45 – 09.00 F. Schlunegger / D. Rieke-Zapp  
Welcome Address

### Block 1: Architecture and urbanistic studies (chair: M. Seifert, University of Bern)

- 09.00 – 09.30 H.-J. Pryzbilla  
Aufbau historischer städtischer  
3D-Szenarien am Beispiel der  
mittelalterlichen Stadt Duisburg
- 09.35 – 09.50 S. Nebiker, A. Barmettler  
3D Reconstruction of the City of  
Solothurn in 1820 based on a historical  
city model
- 09.55 – 10.10 A. Kirchhoff, J. Mülder, Ph. Paar,  
Chr. Wetz, L. Bormann  
The Palmwood of Jericho -  
Virtual Reconstruction of Herod's  
Third Winter Palace and Oasis
- 10.15 – 10.45 Coffee break
- 10.45 – 11.00 M. De Franceschini  
Ancient and modern Plans in  
Hadrian's Villa near Tivoli, Rome
- 11.05 – 11.20 G. Siedler, G. Sacher, S. Vetter  
Photogrammetric Evaluation of historical  
Images in case of the Castle in Potsdam  
and the new Palais in Dresden
- 11.25 – 11.40 F. Henze, H. Lehmann  
Analysis of historical maps and images  
for research on urban development of  
Baalbek since Roman Antiquity
- 11.45 – 12.00 U. Siegel  
Ar-Raqqa (Syria) - research on historic  
aerial and satellite photographs
- 12.00 – 13.00 Lunch break

### Block 2: Aerial photogrammetry (chair: A. Reiterer, The Vienna University of Technology)

13.00 – 13.30 N. Galiatsatos  
Utilising CORONA imagery for modern  
questions

13.35 – 13.50 B. Stichelbaut, J. Bourgeois  
The overlooked aerial imagery of World  
War I: A unique source for landscape and  
conflict archaeology

13.55 – 14.10 V. Heck, F. Seiler, S. Vogel  
Rectification of historic RAF aerial photos  
and generation of an orthophotomosaic  
of the Sarno River basin, Italy

14.15 – 14.30 Short break

14.30 – 14.45 S. Vogt, R. Glaser, Chr. Griebel,  
H. G. Carls, W. Müller  
Historical aerial imagery in the context of  
the '1950s Syndrome' in Central Europe

14.50 – 15.05 M. Braune, E. Seyfert  
Luftbildsammelstelle im Wandel -  
Aufbau eines digitalen Luftbildarchivs in  
Brandenburg

15.10 – 15.25 A. P. Redecker  
Time Series Analysis based on Historical  
Aerial Photographs and Integrated GIS for  
Recycling Derelict Land Sites

15.30 – 16.00 Coffee break

### Block 3: Historic Maps for modern questions (chair: J. Peipe, Bundeswehr University, Munich)

16.00 – 16.30 R. Bösch  
Reconstruction of vegetation history by  
inverse mapping

16.35 – 16.50 D. Salzmann, M. Bürgi  
Historic Maps as Invaluable Sources for  
Land-Use Reconstruction – the Example of  
the Cadastral Map of Limpach (CH) from  
1749

16.55 – 17.10 Chr. Schuppert  
A GIS-based Application of large-scale  
Historical Maps as a Contribution to  
Archaeological Research

17.15 – 17.30 Short break

17.30 – 17.45 V. Kozlovskaya  
Nineteenth-century administrative  
boundary maps as a source of information  
for ancient settlements on the northern  
Black Sea coast

17.50 – 18.05 R. Ebersbach, W. Hoyer  
Tracing archaeological evidence with the  
help of historical maps and digital terrain  
models: case studies from the Archaeo-  
logical Service of the canton of Berne

## Sunday, 30<sup>th</sup> November 2008

### Block 4: Land-use and climate change (chair: J. Chandler, Loughborough University)

08.45 – 09.15 J. Poesen  
Assessment of soil erosion processes and  
rates from historical documents

09.20 – 09.35 H. G. Carls, W. Müller, R. Glaser, S. Vogt  
Searching brownfields with wartime and  
post-war historic aerial imagery

09.40 – 09.55 N. Mitchell, G. Schaab  
Using remote sensing and old maps in  
combination with archival documents,  
oral histories, and placename evidence to  
show changes in rainforest cover for the  
Kakamega-Nandi Forest complex, Kenya

10.00 - 10.15 Th. Horst  
Manuscript Maps as sources for cultural  
history and the history of climatology

10.20 – 10.50 Coffee break

10.50 – 11.05 S. U. Nussbaumer, H. J. Zumbühl  
Glacier length fluctuations in the Alps and  
in southern Norway back to the 16<sup>th</sup> cen-  
tury based on historical data

11.10 – 11.25 A. Ritler  
Historical photographs as sources for the  
study of environmental change in Ethiopia  
and Northeast Africa for the last 150 years

11.30 – 11.45 J. Walstra, V. M. A. Heyvaert,  
P. Verkinderen  
Historical images of past landscapes in  
Lower Khuzestan

11.50 – 12.05 Ph. Forêt  
Historical topographical maps as  
sources of information on climate  
change in Asia

12.10 - 13.00 Discussion / closing session