

## SCOPE

The design of new instruments to acquire multi-temporal or even hyper-temporal earth observation imagery and the development of effective methods to analyze such multi- or hyper-temporal data sets, represent some of the more challenging issues the remote sensing community faces today. At stake is the temporal dimension of the imagery that allows for linkages to the dynamic character of processes, systems and phenomena under study.

The Fourth International Workshop on the Analysis of Multi-temporal Remote Sensing Images (MULTITEMP-2007) will continue the objective of the previous editions to assess the state-of-the-art in the analysis of multi-temporal remote sensing and geospatial data. The workshop will have oral and interactive presentations dealing with both the theoretical and applied issues surrounding the use of multi- and hyper-temporal information in support of the sustained management of earth's resources.

**Contributions are welcome from the scientific community dealing with innovation as well as from the applications' sector focusing on using the resulting methods in practical settings. The workshop will include papers accepted for oral and interactive presentation and all accepted papers will appear in the workshop proceedings.**

**From the contributions, papers will be selected for peer reviewing in a Special Issue of Remote Sensing of Environment.**

### Important dates:

February 9, 2007	Deadline for extended abstract submission
March 1, 2007	Notification of acceptance
May 15, 2007	Due date for final manuscripts
May 31, 2007	Registration deadline
July 18-20, 2007	MULTITEMP-2007 in Leuven, Belgium

## PRELIMINARY PROGRAMME

### Tuesday, July 17, 2007

- 17:00-19:00 h. Arrivals and registrations.

### Wednesday, July 18, 2007

- 07:00-08:30 h. Arrivals and registrations.
- 08:30-09:15 h. Opening session.
- 09:15-10:00 h. Keynote speaker.
- 10:00-10:45 h. Coffee break, poster sessions.
- 10:45-12:30 h. Session 1.
- 12:30-13:30 h. Lunch break.
- 13:30-15:15 h. Session 2.
- 15:15-16:00 h. Coffee break, poster sessions.
- 16:00-17:45 h. Session 3.
- 18:00-19:00 h. Reception or guided tour of Leuven.

### Thursday, July 19, 2007

- 08:30-10:15 h. Session 4.
- 10:15-10:45 h. Coffee break, poster sessions.
- 10:45-12:30 h. Session 5.
- 12:30-13:30 h. Lunch break.
- 13:30-15:15 h. Session 6.
- 15:15-15:45 h. Coffee break, poster sessions.
- 15:45-17:30 h. Session 7.
- 18:30-23:00 h. Workshop dinner at "Kasteel van Horst."

### Friday, July 20, 2007

- 08:30-10:15 h. Session 8.
- 10:15-10:45 h. Coffee break, poster sessions.
- 10:45-12:30 h. Session 9.
- 12:30-13:30 h. Lunch break.
- 13:30-15:15 h. Session 10.
- 15:15-15:45 h. Coffee break, poster sessions.
- 15:45-17:30 h. Closing session.

### Saturday, July 21, 2007

- Day excursion to Bruges (extra-curricular and optional)

## TOPICS

MULTITEMP-2007 is soliciting papers in the following areas:

- registration, calibration and correction techniques for multi-temporal data
- multi-temporal classification techniques
- multi-temporal compositing schemes
- change detection algorithms
- time series and hyper-temporal analysis
- change detection performance assessment
- data fusion in multi-temporal imagery
- LIDAR multi-temporal data analysis
- SAR and InSAR multi-temporal data analysis
- monitoring dynamics of land cover and land use
- plant production system monitoring and modeling
- novel approaches to multi-temporal data handling
- novel multi- and hyper-temporal applications

## CALL FOR ABSTRACTS

Participants wishing to present a paper or a poster are encouraged to submit an abstract of two pages (excluding tables and figures), in plain text, MSWord or PDF, by email to:  
[MultiTemp-2007@biw.kuleuven.be](mailto:MultiTemp-2007@biw.kuleuven.be).

Deadline for the submission of abstracts: January 31, 2007.

All abstracts will be reviewed for content, sound scientific value and compliance with the workshop objectives and scope. Authors will be informed on the status of their proposal by March 1, 2007.

## REGISTRATION

Participants are kindly invited to register via the workshop website:  
<http://www.biw.kuleuven.be/multitemp2007/>

The registration fee is €250 (including workshop dinner, coffee breaks and lunches). The student registration fee is €150 (excluding workshop dinner). Deadline for registration is May 31, 2007.

## ORGANIZATION

General workshop information and registration:  
Sofie Bruneel  
Katholieke Universiteit Leuven  
Celestijnenlaan 200E  
B-3001 Leuven, Belgium  
Tel: +32 16 32 97 21; Fax: +32 16 32 97 60  
E-mail: [MultiTemp-2007@biw.kuleuven.be](mailto:MultiTemp-2007@biw.kuleuven.be)

### Program chairs

**Pol Coppin** – Katholieke Universiteit Leuven, Belgium  
**Niko Verhoest** – Universiteit Gent, Belgium

### Scientific Committee

**Marvin Bauer** – University of Minnesota, USA  
**Jon Benediktsson** – University of Iceland, Iceland  
**Francesca Bovolo** – University of Trento, Italy  
**Melba Crawford** – Purdue University, USA  
**Malcolm Davidson** – ESA-ESTEC, the Netherlands  
**Steven De Jong** – Universiteit Utrecht, the Netherlands  
**David Goodenough** – Natural Resources Canada, Canada  
**Eric Lambin** – Université Catholique de Louvain, Belgium  
**Kim Lowell** – University of Melbourne, Australia  
**Keith McCloy** – Danish Institute of Agricultural Sciences, Denmark  
**Håkan Olsson** – Swedish University of Agricultural Sciences, Sweden  
**Carine Petit** – Belgian Science Policy, Belgium  
**Anne Schistad-Solberg** – University of Oslo, Norway  
**Ashbindu Singh** – United Nations Environmental Program, USA  
**Paul Treitz** – Queen's University Kingston Ontario, Canada  
**Emmanuel Trouve** – Université de Savoie, France  
**Frank Veroustraete** – Flemish Institute for Technological Research, Belgium  
**Urs Wegmüller** – Gamma Remote Sensing, Switzerland  
**Randolph Wynne** – Virginia Polytechnic Institute and State University, USA  
**Pablo Zarco-Tejada** – Instituto de Agricultura Sostenible, Spain

### Permanent Steering Committee

**Lorenzo Bruzzone** – University of Trento, Italy  
**Pol Coppin** – Katholieke Universiteit Leuven, Belgium  
**Roger King** – Mississippi State University, USA  
**Ross S. Lunetta** – US Environmental Protection Agency, USA  
**Paul Smits** – Joint Research Centre, Italy

### Local Organizing Committee

**Sofie Bruneel** – Katholieke Universiteit Leuven, Belgium  
**Gabriëlle De Lannoy** – Universiteit Gent, Belgium  
**Louis Palfliet** – Provincie Vlaams-Brabant, Belgium  
**Dirk Van Speybroeck** – Flemish Institute for Technological Research, Belgium  
**Willem W. Verstraeten** – Katholieke Universiteit Leuven, Belgium

## WORKSHOP VENUE

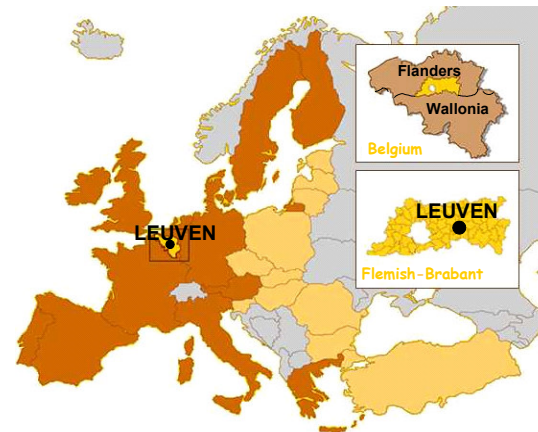
**Provinciehuis Leuven:** The “Provinciehuis” is a purified modernistic building characterized by its transparency and timeless delicate beauty, averse from any form of magnificence. The hall is conceived by the Portuguese architect Gonçalo Byrne, whose main objective was the integration of the building in the train station surroundings.

Situated at the heart of Western Europe, the first references to the city of **Leuven** can be traced back as far as the 9<sup>th</sup> century. During the 11<sup>th</sup> and 12<sup>th</sup> centuries, Leuven began to develop as an important trading centre within the Duchy of Brabant. During that period, its first town wall, churches, monasteries and abbeys were built. In the 15<sup>th</sup> century, the university was established and the current Town Hall was erected. The two 20<sup>th</sup> century World Wars destroyed much of Leuven and reconstruction activities lasted well into the nineteen-sixties

(<http://www.leuven.be/showpage.asp?iPageID=1683>). Since 1995, the city of Leuven is the capital of the province of Flemish Brabant.

The **Katholieke Universiteit Leuven** or **K.U.Leuven** has been a center of learning for almost six centuries. Founded in 1425 by Pope Martin V, K.U.Leuven bears the double honor of being the oldest existent Catholic university in the world and the oldest university in the Low Countries.

(<http://www.kuleuven.be/english/about/history.htm>).



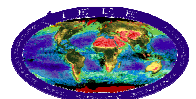
*Leuven in Flanders in Europe*

## CALL FOR ABSTRACTS

**Multi  
Temp  
2007**

**July 18-20, 2007**

**Leuven, Belgium**



workshop website:

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