International Society for Photogrammetry and Remote Sensing

ISPRS 1910 - 2010
CENTENARY CELEBRATIONS VIENNA

July 1-7, 2010
Vienna University of Technology
Vienna, Austria
www.isprs100vienna.org

3 Ländertagung
DGPF - OVG - SGPF
July 1-3, 2010

ISPRS
Centenary Celebrations
July 4, 2010

Technical Commission VII
Symposium
July 5-7, 2010

Programme

PLATINUM SPONSORS

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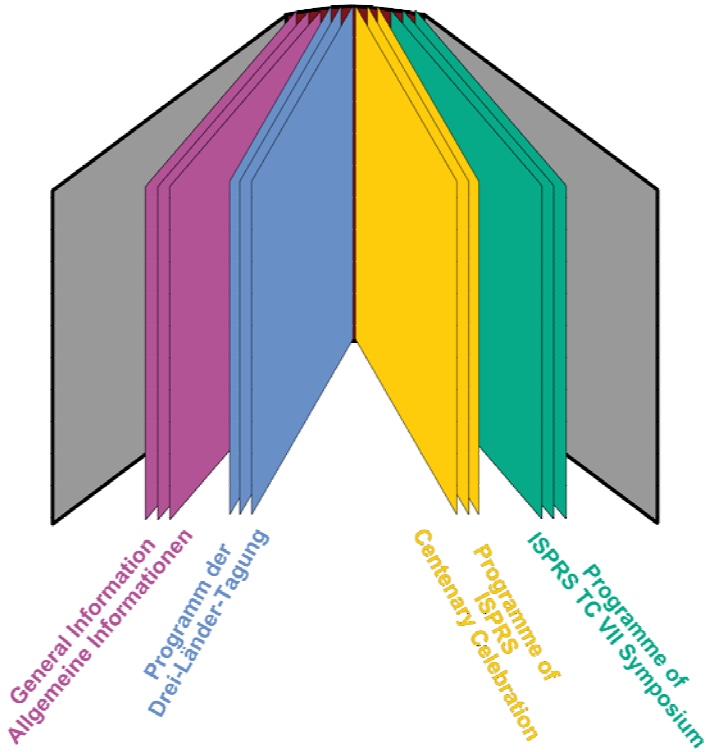
This Programme Booklet consists of four parts:



1. **General Information / Allgemeine Informationen**
2. **Session Programm der Drei-Länder-Tagung (30. Juni – 3. Juli)**
3. **Programme of the ISPRS Centenary Celebration (2 July to 4 July)**
4. **Session Programme of the TC VII Symposium (5 July to 7 July)**

The Badge and its Symbols

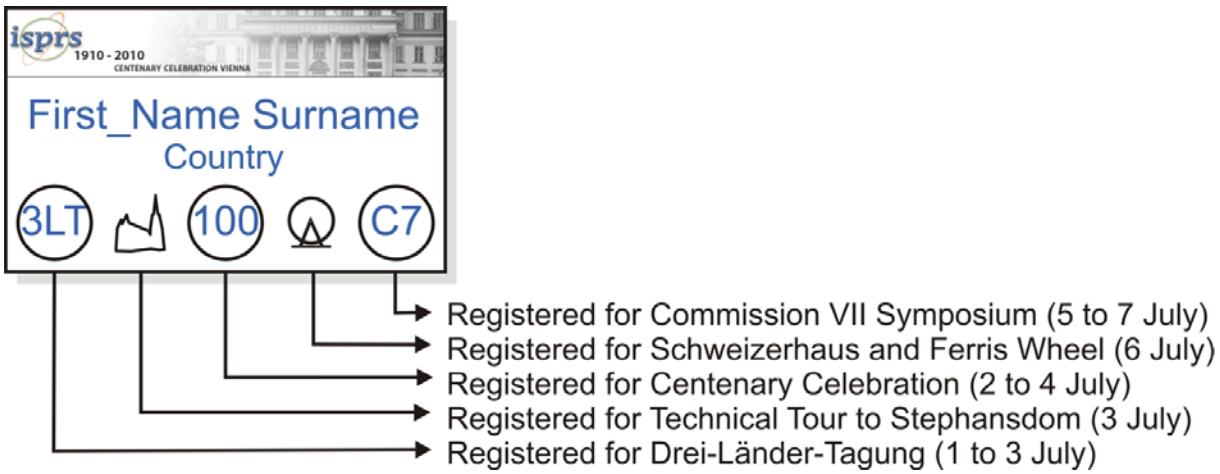
Your name badge carries information about your registration. Please check whether you have been given the right permissions. The figure below explains the symbols.

You may come across people who wear badges with blue or yellow background. The first are members of the local organization team, whom you may contact for help. The second are exhibitors.

Namensschild und Symbole

Das Namenschild enthält Information über Ihre Registrierung. Bitte, überprüfen Sie, ob Sie die richtigen Berechtigungen zugewiesen bekommen haben. Die Abbildung unten erläutert die Symbole.

Sie werden auch Personen antreffen mit blauen oder gelben Schildern. Erstere gehören zum Organisationsteam, die Sie auch gerne um Hilfe fragen können, zweitere sind Aussteller.



Welcome to the ISPRS Centenary Celebrations

Welcome by President of ISPRS

I enthusiastically welcome you to the events planned for 1 July 2010 to 7 July 2010, during the historic occasion which marks the centenary of the International Society for Photogrammetry and Remote Sensing (ISPRS) in its birth place, Vienna, Austria. In 1910 when the ISP was founded by Eduard Doležal, photogrammetry was a fledgling topic, which was being studied by a limited group of professionals in a few countries in the world. But Eduard Doležal, had an international vision for the future of photogrammetry, and saw the opportunities for the development of photogrammetry, beyond the confines of Austria and Europe. The Society grew slowly in its initial years, but its developments have been guided by professionals throughout the world who have continued Eduard Doležal's vision for photogrammetry, and hence the Society now represents more than 100 countries. Over the past 100 years there have been major developments in technologies that could not have been foreseen by our founders, but these have been adapted by successive generations for the purpose of the provision of information from imagery, in order to satisfy the geospatial needs of the community. I am sure you will enjoy the events planned by our colleagues in Vienna, and I look forward to meeting you during the celebrations of ISPRS's extraordinary achievements over the past 100 years.

Orhan Altan

President ISPRS 2008-2012

Willkommen bei der Drei-Länder-Tagung!

Sehr geehrte Damen und Herren,
liebe Kolleginnen und Kollegen!

Herzlich willkommen in Wien, einer Kongressstadt mit viel Geschichte! Die drei nationalen Gesellschaften für Photogrammetrie, Fernerkundung und Geoinformation von Deutschland, der Schweiz und Österreich der freuen sich sehr, dass nach drei Jahren wieder eine Dreiländertagung jetzt im Rahmen der 100-Jahr-Feierlichkeiten der internationalen Dachorganisation ISPRS stattfindet. Das fachliche Programm wird ausgezeichnete wissenschaftliche Beiträge bringen, die den letzten Stand der Forschung und Technik dokumentieren und Zukunftstrends aufzeigen. Aber auch die soziale Komponente wird nicht zu kurz kommen – bei mehreren begleitenden Veranstaltungen wird genug Gelegenheit zum Erfahrungsaustausch und für freundschaftliche Kontakte gegeben sein.

Besonders erfreulich ist es, dass der gemeinsame Karl-Kraus-Nachwuchsförderpreis bereits zum vierten Mal verliehen wird und dies in Wien, seiner langjährigen Wirkungsstätte.

Die drei Partnerverbände freuen sich, Sie als Besucher der ISPRS-Jubiläums-veranstaltung begrüßen zu dürfen.

Prof. Dr. Cornelia Gläßer	Prof. Dr. Stephan Nebiker	Dipl.-Ing.Gert Steinkellner
Präsidentin DGPF	Präsident SGPF	Präsident OVG

Welcome by the Organization Team

We are very pleased to welcome you to Vienna! We hope that you will not only be able to enjoy the centenary speeches and the scientific programme but also the international and historic flair of Vienna. In our social programme we bring you to a series of historic places, including the Vienna City Hall (built between 1872 and 1883), St. Stephen's Cathedral (since 1365), the Vienna Giant Ferris Wheel (built in 1897), the Schweizerhaus (since 1766), and not to forget the main building of the Vienna University of Technology (opened in 1815). There will even be a boat trip with the historic steamboat "Schönbrunn" built in 1912. So we are sure that you will find ample time to meet new friends and make plans to foster photogrammetry and remote sensing science for the next hundred years.

The preparations for this series of events to celebrate the foundation of ISPRS on July 4, 1910, have already started over four years ago. Ambitions have been high and we have given our best to meet the high expectations from the international community. Correspondingly, the organisation of these events has been an immense challenge and without the voluntary and generous support from many colleagues we would not have come so far! Thus we would like to express our deepest gratitude to all members of the local organizing team:

> Alexandra von Beringe, Andreas Roncat, Balázs Székely, Barbara Schmidt-Zimmel, Camillo Ressl, Christine Ressl, Claudia Schantl, Eva Berkes, Gabriele Frey, Gabriele Wessely, Gerald Kohlhofer, Gert Steinkellner, Gregor Franzen, Hannes Maar, Josef Jansa, Karl Haussteiner, Klemens Lagler, Marlene Dominici, Michael Hiermanseder, Nadja Wimmer-Germ, Norbert Rudolf, Norbert Schlanitz, Philipp Glira, Renate Adamle, Stefan Hasenauer, Susi Wimmer, Waltraud Nigl-Brandl, Wolfgang Gold, Wolfgang Kainz, Wouter Dorigo.

Michael Franzen	Norbert Pfeifer	Wolfgang Wagner
Drei-Länder-Tagung	ISPRS Centenary	TC VII Symposium

General Information / Allgemeine Informationen

Administrative Secretariat / Tagungssekretariat:

Columbus GmbH & Co.KG
Dr. Karl Lueger Ring 8
1010 Wien
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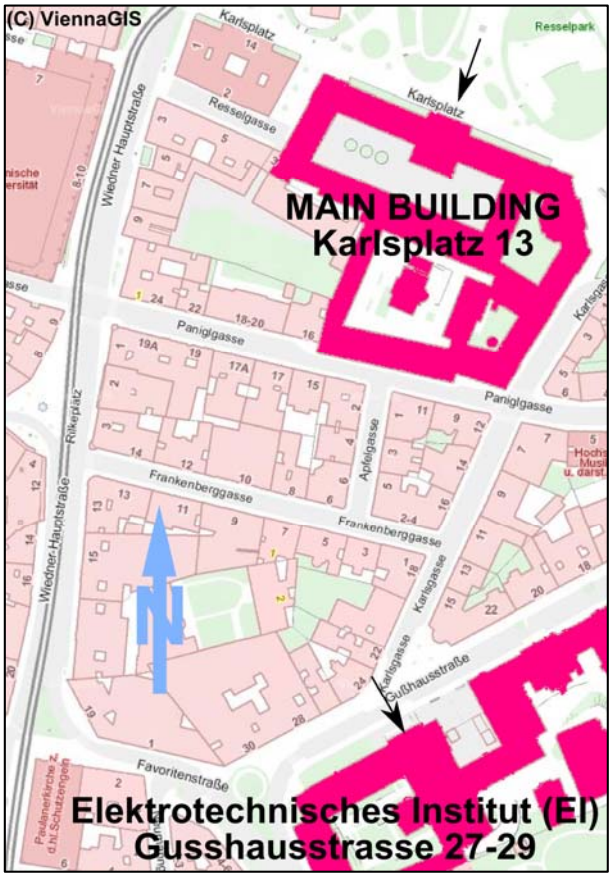
Fax: +43 1 534 11 202
Email: isprs@columbus-reisen.at

Institut für Photogrammetrie und Fernerkundung
Technische Universität Wien
Gusshausstraße 27-29 / 122
1040 Wien
Tel.: +43 1 58801 12201
Fax: +43 1 58801 12299
Email: isprs100@ipf.tuwien.ac.at



Venue / Tagungsort:

Drei-Länder-Tagung
Commission VII Symposium of ISPRS:
Technische Universität Wien
Elektrotechnisches Institut (EI)
Gusshausstraße 27-29
1040 Wien
(48°11'47"N 16°22'11"E)

ISPRS Centenary Celebrations:
Technische Universität Wien
Main Building / Hauptgebäude
Karlsplatz 13
1040 Wien
(48°11'56"N 16°22'12"E)

An **overview map** with all venues in Vienna can be found on the rear cover page of the booklet. **Floor plans** and a **schedule overview** are on the second and third last page

Einen **Überblicksplan** mit allen Veranstaltungsorten in Wien finden Sie auf der letzten Umschlagseite dieses Heftes. **Grundrisspläne** und die **Tagungsübersicht** sind auf der vorletzten und drittletzten Seite.

Registration:

The office is open
30 June 12:30 to 19:00
1 July 08:00 to 19:00
2 July 08:00 to 18:30
3 July 12:00 to 16:00
4 July 09:00 to 16:30
5 July 08:00 to 18:00
6 July 08:00 to 18:00
7 July 08:00 to 13:30

On 4 July the registration office is located in the Aula of the Main Building, on all other days in the Aula of Elektrotechnisches Institut (EI). Participants in the Centenary General Assembly of ISPRS on 4 July register on 3 July between 10:00 and 12:00 in the Aula of EI or on 4 July between 09:00 and 11:00.in the anteroom of Festsaal (Main Building, Karlsplatz 13, 1st floor)

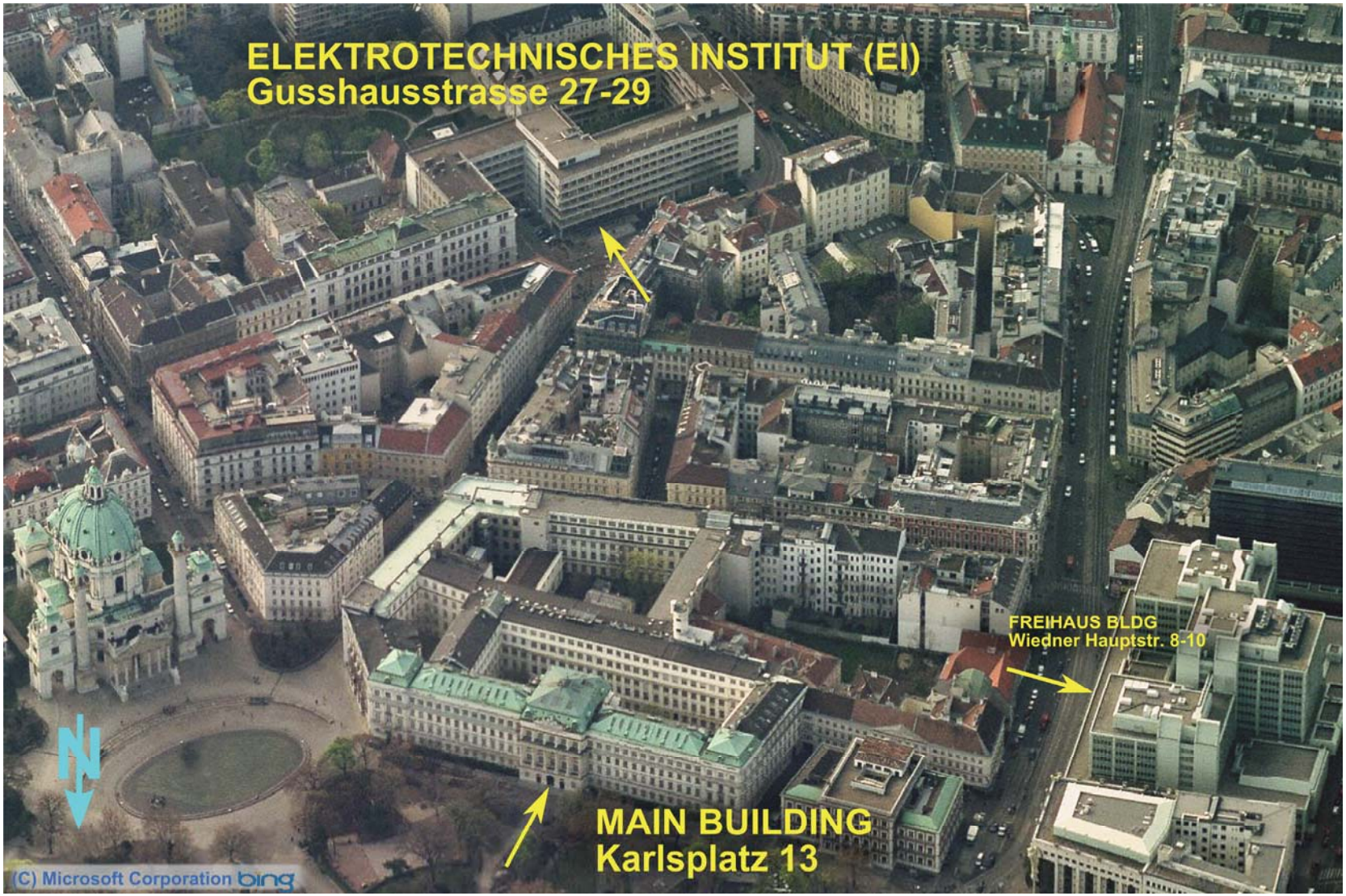
Please, watch final announcements on-site. Though we make our best effort to stick to the programme, sometimes changes might become inevitable.

Registrierung:

Die Schalter sind offen
30. Juni 12:30 bis 19:00
1. Juli 08:00 bis 19:00
2. Juli 08:00 bis 18:30
3. Juli 12:00 bis 16:00
4. Juli 09:00 bis 16:30
5. Juli 08:00 bis 18:00
6. Juli 08:00 bis 18:00
7. Juli 08:00 bis 13:30

Am 4. Juli erfolgt die Registrierung in der Aula des Hauptgebäudes, an allen anderen Tagen in der Aula des Elektrotechnischen Institutes (EI). Für Teilnehmer an der Centenary General Assembly der ISPRS am 4. Juli erfolgt die Registrierung zwischen 10:00 und 12:00 in der Aula des EI oder zwischen 09:00 und 11:00 Uhr im Vorraum zum Festsaal (Hauptgebäude, Karlsplatz 13, 1. Stock).

Bitte, achten Sie auch auf Ankündigungen vor Ort. Wir sind bemüht, uns an das Programm zu halten, aber Änderungen könnten dennoch unvermeidlich werden..



Vienna University of Technology – Venues of Centenary Celebrations: Perspective View from North to South

Public transport

There is just one uniform ticket system in Vienna. You may change as often as you need without purchasing a new ticket as long as you are moving towards your destination. A single trip tickets costs € 1.80 if bought at ticket offices, tobacconists or vending machines; at the driver and on-board ticket machines it is € 2.20. Don't forget to validate the ticket as you enter. There are several types of daily and weekly tickets available. Please check at: www.wienerlinien.at. This site also contains time tables and a travel planner.

Öffentlicher Verkehr

Alle öffentlichen Verkehrsmittel innerhalb Wiens haben dasselbe Tarifsystem. Umsteigen ist daher kein Problem, solange Sie sich dadurch Ihrem Ziel nähern. Sie müssen keine neue Karte kaufen. Ein Einzelfahrschein kostet im Vorverkauf (in Vorverkaufsstellen, in Tabakgeschäften und beim Automaten) € 1,80, beim Fahrer oder beim Bordautomaten € 2,20. Vergessen Sie nicht die Fahrkarten beim Einsteigen zu entwerten. Je nach Bedarf können auch Mehrtageskarten erworben werden. Bitte informieren Sie sich unter: www.wienerlinien.at. Die Seite enthält auch Fahrpläne und einen Reiseplaner.

How to get to the venue:

The Main Building, Karlsplatz 13, can be best reached by the underground lines U1, U2 and U4 (Stop "Karlsplatz"). On Karlsplatz there are also stops of the tramway lines 1 and 62. The nearest underground stop for the Elektrotechnisches Institut (EI), Gusshausstrasse 27-29, is U1 "Taubstummengasse", exit "Taubstummengasse". Tramway lines 1 and 62 (stop "Paulanergasse") are very close, too.

Wie kommt man zum Tagungsort:

Das Hauptgebäude, Karlsplatz 13, ist am besten über die U-Bahnlinien U1, U2 und U4 (Station „Karlsplatz") erreichbar. Auf dem Karlsplatz halten auch die Straßenbahnen 1 und 62. Die beste U-Bahnhaltestelle für das Elektrotechnische Institut (EI), Gusshausstraße 27-29, ist U1 „Taubstummengasse", Ausgang „Taubstummengasse". Die näheste Straßenbahnhaltestelle ist „Paulanergasse" der Linien 1 und 62.

Cloakroom

The lecture hall EI 10 has been dedicated as cloakroom, which will be attended during the time of conference activities. Proceed to the Service Point at the end of the right hand corridor. Please collect your belongings before the end of the day.

Garderobe

Der Hörsaal EI 10 wurde als Garderobe eingerichtet. Er ist während der Konferenzzeiten besetzt. Begeben Sie sich zum Service Point am Ende des nach rechts führenden Ganges. Bitte holen Sie Ihre aufbewahrten Gegenstände jeweils vor dem Abend ab.

Internet Access

In the EI Building internet stations are located on the gallery above the Aula. LAN and WLAN access is also available. The account information will be provided on request at the Service Point. The university is member of the eduroam network (see http://www.eduroam.org).

Internet-Zugriff

Im EI-Gebäude gibt es einige Internet-Stationen auf der Galerie über der Aula. Es ist auch ein LAN- und WLAN-Zugang vorhanden. Die notwendigen Zugangsdaten erhalten Sie beim Service Point auf Anfrage. Die Universität ist im eduroam Netzwerk registriert (Siehe http://www.eduroam.org).

Places for lunch near the venue

There are many restaurants close to the venues. In the first floor of the Freihaus Building of the university (Wiedner Hauptstraße 8-10; 48°11'56"N 16°22'04"E) a student restaurant (Mensa) offers meals for reasonable prices.

Wo kann man in der Nähe mittagessen

In der Nähe der Veranstaltungsorte gibt es eine Vielzahl von Restaurants. Im ersten Stock des Freihaus-Gebäudes der Universität (Wiedner Hauptstraße 8-10; 48°11'56"N 16°22'04"E) befindet sich eine Mensa, welche Mahlzeiten zu günstigen Preisen anbietet.

Information for disabled persons

All sites on the conference venue have barrier-free access. The Vienna Public Transport Authority operates low floor busses and a great number of ultra low floor trams. Watch the wheel chair symbol on the overhead indicators. All underground stations can be accessed either by elevators, escalators or via ramps. - The number for emergency calls is 112.

Informationen für Behinderte

Alle Veranstaltungsbereiche können stufenfrei erreicht werden. Die Wiener Verkehrsbetriebe verwenden Niederflurbusse und eine große Anzahl von Niederflurstraßenbahnen. Beachten Sie das Rollstuhlsymbol auf den Zeitanzeigen. Alle U-Bahn-Stationen können über Aufzüge, Rolltreppen oder Rampen erreicht werden. - Die Notrufnummer ist 112.

On-site help

If you need help, contact either the staff in the lecture halls, the registration desk or members of the organization team. They wear blue badges and/or blue jackets.

Hilfsdienst am Veranstaltungsort

Wenn Sie Hilfe brauchen sollten, wenden Sie sich entweder an die Belegschaft in den Hörsälen, an den Registrierungsschalter oder Sie können sich auch an die Mitglieder des Organisations-teams wenden. Diese tragen blaue Namens-schilder und/oder blaue Jacken.

Social Events

Drei-Länder-Tagung:

- *Welcome Party* organized by students takes place in the courtyard of the EI Building. Relaxed atmosphere and very fair prices!
- *Ice Breaker Party* takes place in the courtyard of the Main Building, in the Aula and Prechtl-Saal.
- *Steamboat Voyage* with the historic paddle-steamer “Schönbrunn” departs from the boat station near Reichsbrücke. You can get there by underground U1, station “Vorgartenstraße". Watch the signposts for the remaining walk of some 500 m. (48°13’28”N 16°24’27”E)

ISPRS Centenary Celebration:

- *Visit to Doležal’s Grave* in Baden near Vienna. Attendance is by invitation only.
- *The Centenary Gala Dinner* takes place in the Vienna Town Hall (Rathaus). Take underground U2 and get off at station “Rathaus”, exit “Rathaus”. The entrance is located in Lichtenfelsgasse. (48°12’37”N 16°21’26”E)

Technical Commission VII Symposium:

- *Ice Breaker Party* takes place in the courtyard of the Main Building, in the Aula and Prechtl-Saal.
- *Conference Dinner.* We first meet at a famous restaurant in Prater, called “Schweizerhaus” (Swiss chalet), which is well-known for its excellent beer and the fried knuckle of pork. Afterwards we shall have a short and relaxing walk to the Ferris Wheel (Riesenrad) where we may enjoy the view over Vienna by night. (48°12’50”N 16°24’06”E and 48°13’00”N 16°23’45”E). You can get there by underground U1 and U2 (stop “Praterstern”, exit “Venediger Au” or “Lassalle Str.”) or U2 (stop “Messe-Prater”, exit “Prater”)

Rahmenprogramm

Drei-Länder-Tagung:

- *Welcome Party*. Sie wird von den Studierenden organisiert und findet im Hof des EI Gebäudes statt. Gute Stimmung und sehr faire Preise!
- Die *Ice Breaker Party* findet im Hof des Hauptgebäudes, in der Aula und im Prechtl-Saal statt.
- *Donaudampfschifffahrt* mit dem historischen Raddampfer „Schönbrunn“ beginnt beim Schifffahrtszentrum neben der Reichsbrücke. Die Haltestelle „Vorgartenstraße“ der U-Bahnlinie U1 liegt in Nähe. Beachten Sie die Wegweiser für den restlichen Fußweg von ca. 500m. (48°13’28”N 16°24’27”E)

ISPRS Centenary Celebration:

- *Besuch der Grabstätte Doležals* in Baden bei Wien. Für dieses Programm benötigt man eine eigene Einladung.
- Das *Gala Dinner* findet im Wiener Rathaus statt. Sie kommen dort per U2 hin. Steigen Sie bei der Haltestelle „Rathaus“ aus und benutzen Sie den Ausgang „Rathaus“. Der Eingang befindet sich in der Lichtenfelsgasse. (48°12’37”N 16°21’26”E)

Technical Commission VII Symposium:

- Die *Ice Breaker Party* findet im Hof des Hauptgebäude, in der Aula und im Prechtl-Saal statt.
- *Konferenz-Abendessen.* Wir treffen uns zuerst im berühmten Restaurant „Schweizerhaus“ im Prater, das wegen seines hervorragenden Bieres und seiner gebratenen Schweinsstelzen bekannt ist. Danach genießen wir die kurze Wanderung zum Riesenrad, von wo uns ein Blick über das nächtliche Wien erwarten wird. (48°12’50”N 16°24’06”E und 48°13’00”N 16°23’45”E). Sie kommen am besten dorthin mit den U-Bahnlinie U1 und U2 (Station “Praterstern”, Ausgang “Venediger Au” or „Lassalle Str.“) oder U2 (Station “Messe-Prater”, Ausgang “Prater”)

Information for oral presenters

All oral presentations will be held in Elektrotechnisches Institut (EI), Gusshausstrasse 27-29 in the lecture halls EI 7 to EI 9.

Each room is equipped with a PC notebook, LCD projector 4:3, laser pointer and microphone. On the notebook will be running MS Windows 7 with MS Office 2007 and Acrobat Reader 9. In order to minimize compatibility problems prepare your presentation in PowerPoint or PDF and use standard fonts and embed the fonts in your presentation document whenever possible.

Please show up well before your session at the lecture hall and provide the technical staff with your documents on USB stick or CD/DVD for upload. In case you need to use an Apple notebook bring in your own VGA adapter.

Bear in mind that electricity supply runs with 230 V and 50 Hz; the plug system is CEE 7/4 ("Schuko").

In any case you must contact your session chair best some 15 minutes before the session commences. Due to the tight schedule your are kindly requested to strictly observe the allotted presentation time. The chairperson monitors the time and will signal speakers a few minutes before the end of their timeslot. Talks exceeding the time limits must be stopped.

Information für die Vortragenden

Alle Vorträge werden im Elektrotechnischen Institut (EI) in den Hörsälen EI 7 bis EI 9 gehalten.

Jeder Raum ist ausgestattet mit PC Notebook, LCD Projektor 4:3, Laser Pointer und Mikrophon. Auf dem Notebook ist MS Window 7 installiert mit MS Office 2007 und Acrobat Reader 9. Um Kompatibilitätsproblemen vorzubeugen, sollten Sie ihren Vortrag in PowerPoint oder in PDF vorbereiten, und verwenden Sie Standard Fonts und betten Sie diese wenn möglich in Ihre Präsentation ein.

Erscheinen Sie rechtzeitig vor Ihrer Session im Vortragsaal und übergeben Sie ihren Vortrag dem technischen Betreuungsteam auf USB Stick oder CD/DVD zum hinaufladen. Für den Fall, dass Sie ein Apple Notebook brauchen, müssen Sie einen VGA-Adapter mitbringen.

Beachten Sie, dass die Stromversorgung 230 V und 50 Hz hat und dass das Steckersystem CEE 7/4 („Schuko") ist.

Auf jeden Fall müssen Sie die vorsitzende Person Ihrer Session etwa 15 Minuten vor dem Session-Beginn kontaktieren. Der sehr enge Zeitplan bedingt, dass Sie sich an Ihre zugewiesene Sprechzeit halten müssen. Wenige Minuten vor dem Ende erhalten Sie ein Zeichen. Vorträge, welche die Zeit überschreiten, werden gestoppt.

Information for poster presenters

All poster sessions take place in the Main Building, Karlsplatz 13, in Prechtl-Saal which is located just on the left hand side after the main entrance. Keep in mind that you need a walk of some 7 minutes to get from the EI Building to the Main Building.

The provided poster boards give place for posters of size up to A0 portrait orientation (i.e. 841 mm x 1189 mm)

You will be assigned a poster board indicated by a number code. Please note, that the sequential numbering, which appears in the programme booklet at your contribution, is not identical to the board number! Refer to the overview map on site and in case of problems or for help contact the student volunteers, who will be ready on 1 July from 15:15 to 16:00 (Drei-Länder-Tagung) and on 5 July from 12:15 to 16:15, on 6 July from 8:15 to 14:00 (TC VII Symposium). Sticky tape for attaching your poster will be provided.

Check the programme booklet when your poster is scheduled and mount your poster on time so that it is ready as soon as the session commences, and you should remain present for the whole session.

Posters need to be removed after the session. Any posters left will be removed by the organizers.

Information für Poster-Präsentation

Alle Poster-Sessions finden im Hauptgebäude, Karlsplatz 13, im Prechtlsaal statt. Dieser befindet sich gleich links hinter dem Haupteingang. Berücksichtigen Sie, dass Sie für den Weg vom EI Gebäude zum Hauptgebäude ca. 7 Minuten einrechnen müssen.

Die Posterwände erlauben A0 Größen aufrecht, das sind 841 mm x 1189 mm.

Ihnen wird eine Wand über einen Nummernkode zu gewiesen. Beachten aber, dass die laufende Nummer, die im Programmheft bei Ihrem Beitrag erscheint, nicht der Nummer der Posterwand entspricht! Orientieren Sie anhand des Übersichtplans vor Ort. Im Falle von Problemen oder, wenn Sie Hilfe brauchen, kontaktieren Sie die studentischen Helfer, welche anwesend sein werden am 1. Juli von 15:15 bis 16:00 (Drei-Länder-Tagung) und am 5. Juli von 12:15 bis 16:15, am 6. Juli von 8:15 bis 14:00 (TC VII Symposium). Klebeband zur Befestigung des Posters wird bereitgestellt.

Überprüfen Sie im Programmheft, wann Ihr Poster an der Reihe ist und montieren Sie es rechtzeitig, sodass es bei Session-Beginn hängt. Bleiben Sie während der gesamten Session anwesend.

Die Poster müssen nach der Session herunter genommen werden, sonst werden Sie von den Organisatoren entfernt.

Exhibition / Ausstellung

Drei-Ländertagung:

There will be a commercial exhibition where companies, organisations and institutions show there newest products. The exhibition opens on 1 July 10:00 am and closes on 2 July 06:00 pm. It is located in the Aula area of the EI building. For a list of exhibitors refer to the table below and to the floor plan on the following page.

Eine Ausstellung informiert über die neuesten Produkte von Firmen, Organisationen und Instituten. Sie wird am 1. Juli um 10:00 Uhr eröffnet und schließt am 2. Juli um 18:00 Uhr. Der Ausstellungsbereich befindet sich in der Aula des EI Gebäudes. In der untenstehenden Tabelle sind die Aussteller gelistet. Der Grundrissplan ist auf der folgenden Seite zu finden.

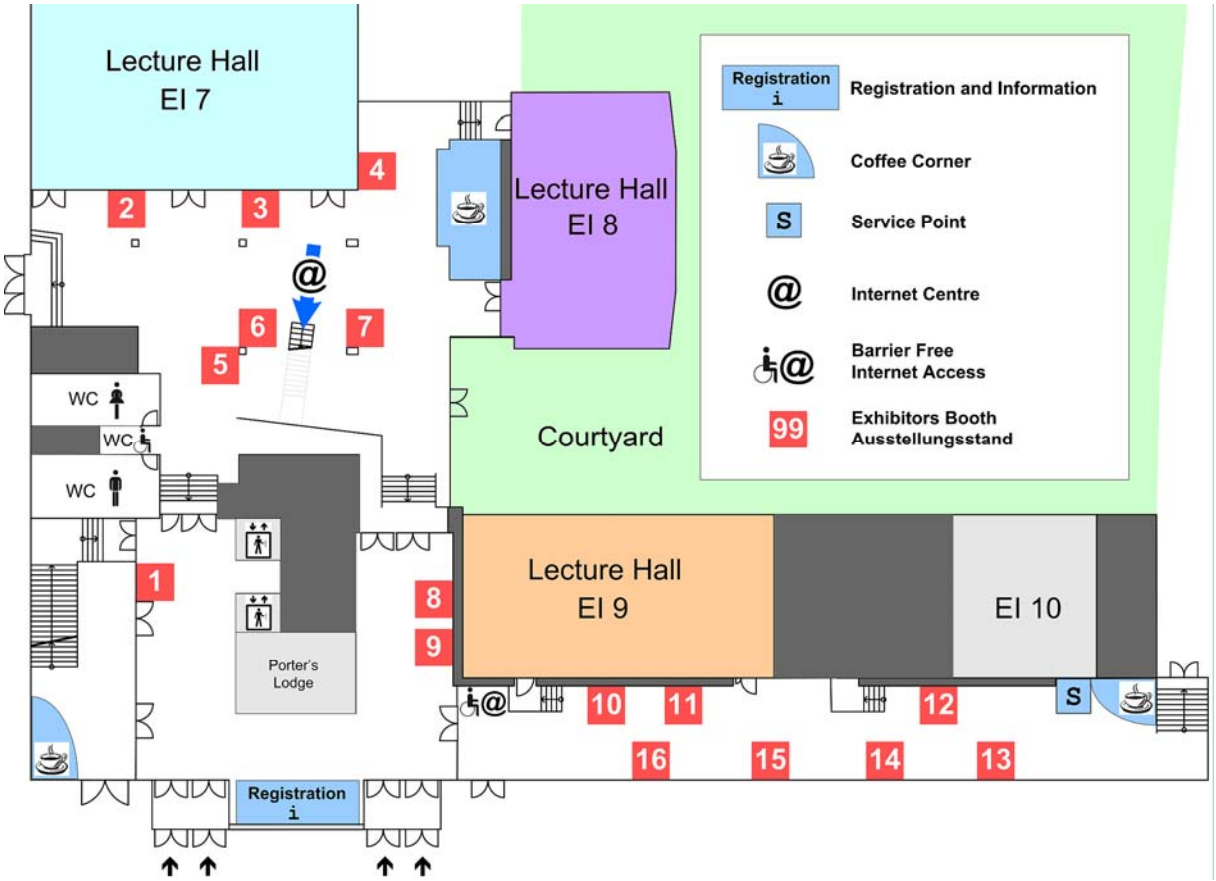
List of exhibitors and their booth numbers / Liste der Aussteller und ihrer Standnummern

Aussteller / Exhibitor (alphabetische Reihung / alphabetical order)	**Internet Access**	**Stand / Booth**
Airborne Technologies GmbH	www.airbornetechnologies.at	12
BEWAG Geoservice GmbH	www.geoservice.at	12
CREASO GmbH	www.creaso.com	5
Definiens AG	www.ecognition.com	16
E. Schweizerbart'sche Verlagsbuchhandlung	www.schweizerbart.de	13
GGS - Geotechnik, Geoinformatik & Service GmbH	www.ggs-speyer.de	14
I G I - Ingenieur-Gesellschaft für Interfaces mbH	www.igi-systems.com	6
Intergraph Z/I Deutschland GmbH	www.intergraph.de	7
ITT VIS	www.ittvis.com	5
JENOPTIK l Verteidigung & Zivile Systeme Jena-Optronik GmbH	www.jena-optronik.de	15
LBI for Archaeological Prospection and Virtual Archaeology	http://archpro.lbg.ac.at/	8
Leica Geosystems AG	www.leica-geosystems.com	3
RapidEye AG	www.rapideye.de	1
RIEGL Laser Measurement Systems GmbH	www.riegl.com	4
SphereOptics GmbH	www.sphereoptics.de	11
Terra Messflug GmbH	www.terra-messflug.at	10
TopoL Software s.r.o.	www.topol.cz	14
Trimble	www.trimble.com/geospatial/	9
Vermessung AVT ZT GmbH	www.avt.at	10
Vexcel Imaging GmbH | a Microsoft Company	www.microsoft.com/ultracam/	2

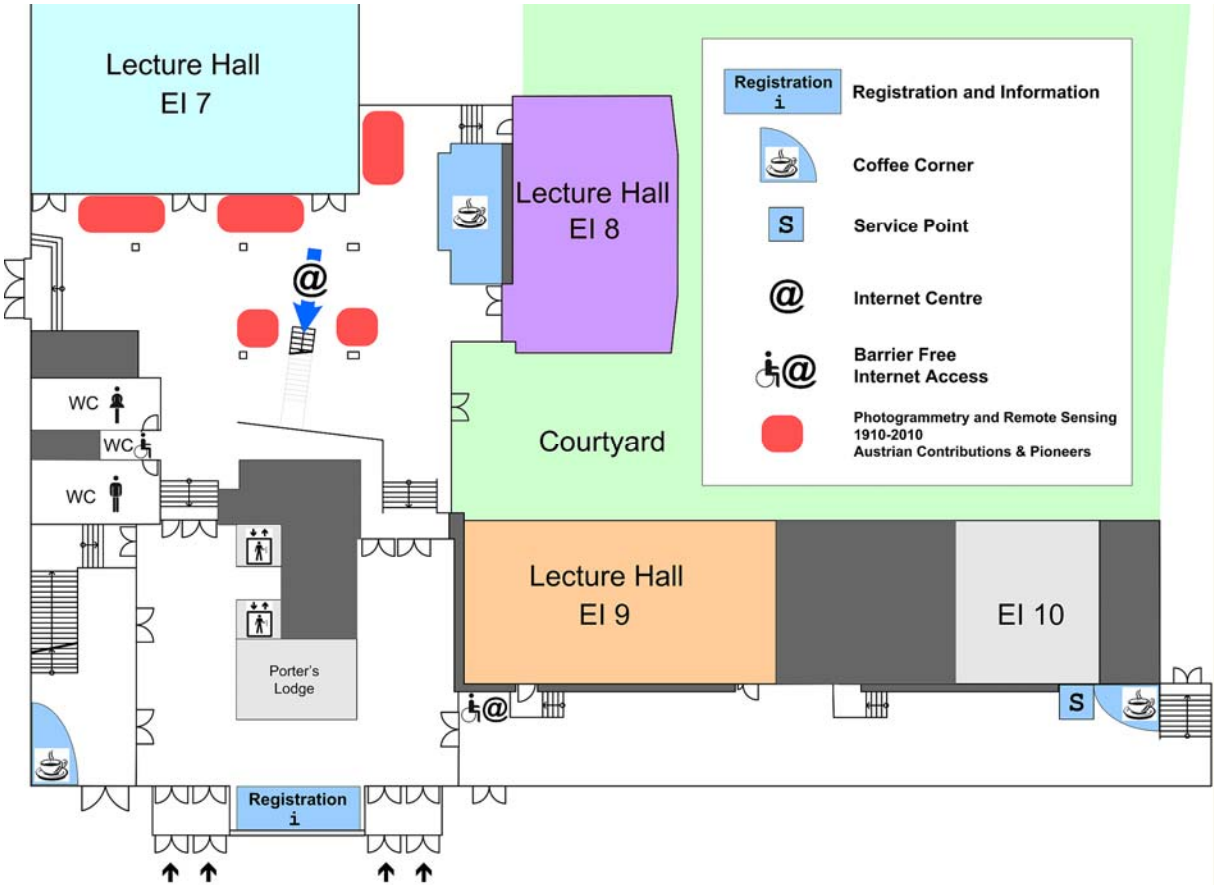
Technical Commission VII Symposium:

There is a small accompanying exhibition, which is dedicated to the history of photogrammetry and remote sensing in the past 100 years and the Austrian contributions. See the respective floor plan, where the objects are located one the right page.

Begleitend gibt es eine kleine Ausstellung, die über die Geschichte der Photogrammetrie und Fernerkundung der letzten 100 Jahre informiert, wobei der Schwerpunkt auf dem österreichischen Anteil liegt. Im entsprechenden Grundrissplan auf der rechten Seite ist die Lage der Ausstellungsobjekte eingezeichnet.



Grundrissplan des EI während der Drei-Länder-Tagung mit Ausstellerständen



Floor plan of EI during TC VII Symposium

ISPRS Centenary Celebrations - Schedule Overview

June July 2010	07:00-08:00	08:00-09:00	09:00-10:00	10:00-11:00	11:00-12:00	12:00-13:00	13:00-14:00 1:00-2:00 pm	14:00-15:00 2:00-3:00 pm	15:00-16:00 3:00-4:00 pm	16:00-17:00 4:00-5:00 pm	17:00-18:00 5:00-6:00 pm	18:00-19:00 6:00-7:00 pm	19:00-20:00 7:00-8:00 pm	20-21 8 - 9	21-22 9 - 10	22-23 10 - 11	23-24 11 - 12
30 Wed (3 L T)						Registration [EI Aula]			Tutorium: FWFLaser Scanning [SEM122] Tutorium LBS abgesagt			Welcome Party [EI Innenhof]					
1 Thu		Registration [EI Aula]		Firmenausstellung [EI Aula]													
			Eröffnung [EI 7]	Kaffee [Aula]	Session 1.1 [EI 7] Session 1.2 [EI 8] Session 1.3 [EI 9]	Mittagspause		Session 2.1 [EI 7] Session 2.2 [EI 8] Session 2.3 [EI 9]	Kaffee [Aula]	Session 3.1 [EI 7] Session 3.2 [EI 8] Session 3.3 [EI 9]		DGPF Mitgl.Versammlung [EI 7]	Ice Breaker Party [Hauptgebäude Hof 1, Aula, Prechtl-Saal]				
										Poster Session [Prechtl-Saal]							
2 Fri (ISPRS 100)		Registration [EI Aula]															
			Firmenausstellung [EI Aula]														
			Session 4.1 [EI 7] Session 4.2 [EI 8] Session 4.3 [EI 9]	Kaffee [Aula]	Session 5.1 [EI 7] Session 5.2 [EI 8] Session 5 [EI 9]	Mittagspause		Session 6.1 [EI 7] Session 6.2 [EI 8] Session 6.3 [EI 9]	Kaffee [Aula]	Abschluss-Session [EI 7]			Donauschifffahrt				
				UN-OOSA [*] Booklet Launch	UN-OOSA [*] Press Conf.		Council M. [SEM122 *]										
3 Sat				Exkursion Stephansdom													
				GA Registration [EI Aula *]		Registration [EI Aula]											
							Open Business Meeting [EI 7]						Visit to Dolezal's Grave [Couch departs from EI *]				
				Afric.Reg.C.	ISPRS-EuroSDR [SEM122												
4 Sun			Registration f. Afternoon Lect. and TC VII [Main Building Aula]														
			GA Registr. [Festsaal Anteroom *]		Centenary GA [Festsaal *]	Buffet [Prechtl *]		Afternoon Lectures [Kuppel-Saal]					Gala Dinner [Town Hall]				
						Unveiling Commemoration Plaque [Main Building Courtyard]											
5 Mon (TC VII)		Registration [EI Aula]															
			Opening Session [EI 7]	Coffee [Aula]	Oral Session 1.1 [EI 7] Oral Session 1.2 [EI 8] Oral Session 1.3 [EI 9]	Lunch Break		Oral Session 2.1 [EI 7] Oral Session 2.2 [EI 8] Oral Session 2.3 [EI 9]	Coffee [Aula]	Poster Session [Prechtl-Saal]		Ice Breaker Party [Main Building Courtyard, Aula and Prechtl-Saal]					
					Council M. [SEM122 *]			ISPRS Foundation Board M. [IPF Meeting R. *]									
6 Tue		Registration [EI Aula]															
			Oral Session 3.1 [EI 7] Oral Session 3.2 [EI 8] Oral Session 3.3 [EI 9]	Coffee [Aula]	Oral Session 4.1 [EI 7] Oral Session 4.2 [EI 8] Oral Session 4.3 [EI 9]	Lunch Break		Poster Session [Prechtl-Saal]	Coffee [Aula]	Oral Session 5.1 [EI 7] Oral Session 5.2 [EI 8] Oral Session 5.3 [EI 9]			Conference Dinner [Schweizerhaus - Prater]				
															Ferris Wheel [Prater]		
7 Wed		Registration [EI Aula]															
			Oral Session 6.1 [EI 7] Oral Session 6.2 [EI 8] Oral Session 6.3 [EI 9]	Coffee [Aula]	Closing Session [EI 7]			TC VII Board Meeting [EI 8 *]									

Legend: [*] ... Attendance by invitation only

Colour code:

- Lecture Hall EI 7, EI, Gusshausstrasse 27-29, Ground floor
- Lecture Hall EI 8, EI, Gusshausstrasse 27-29, Ground floor
- Lecture Hall EI 9, EI, Gusshausstrasse 27-29, Ground floor
- Seminar Room 122, EI, Gusshausstrasse 27-29, 3rd floor
- Prechtl-Saal, Main Building, Karlsplatz 13, Ground floor
- Festsaal and Kuppelsaal, Main Building, Karlsplatz 13, 1st floor and 4th floor
- Courtyard, Main Building
- Seminar Room 124, EI, Gusshausstrasse 27-29, 3rd floor
- Meeting Room of IPF, EI, Gusshausstr. 27-29, 3rd floor
- Registration in Aula of EI or Aula of Main Building
- Exhibition, Aula of EI, Gusshausstrasse 27-29, Ground floor
- Exkursion/Technical Tour, Stephansdom
- Social Events, various places
- United Nations - Vienna International Centre
- Coffee breaks [EI Aula], Lunch breaks, Buffet Lunch [Prechtl-Saal]

- **3 L T** — Drei-Länder-Tagung: [30. Juni], 1.-3. Juli, Registrierung: 30. Juni, 1. und 2. Juli
- **ISPRS100** — ISPRS Centenary Celebration: [2 and 3 July], 4 July, Registration: 30 June, 1 to 4 July
- **TC VII** — ISPRS Technical Commission VII Symposium: 5 to 7 July, Registration: 30 June, 1 to 7 July

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Leica Geosystems thanks ISPRS for a century of advancing information from imagery.

Best wishes for the future.

Leica ADS80
Airborne Digital Sensor

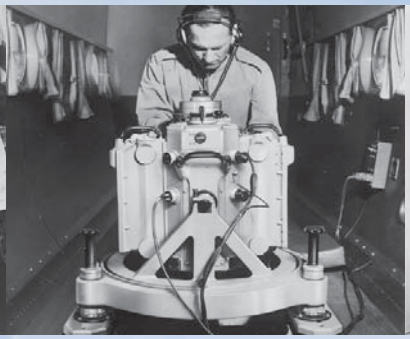
Leica RCD100
Digital Camera System

Leica RCD105
Digital Frame Camera

Leica ALS60
Airborne Laser Scanner

RC30 Aerial camera
Wild Heerbrugg, 1991

RC10 Automatic camera
Wild Heerbrugg, 1969–1984



RC7 Aerial camera
Wild Heerbrugg, 1948

C2 Aerial camera
Heinrich Wild, 1925–1944

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- when it has to be **right**

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Drei-Länder-Tagung

Dieser Farbkode zeigt Änderungen gegenüber der ersten Ausgabe des Programmheftes an (=gedruckte Version) V20106029

MITTWOCH, 30. Juni 2010

12:30 - 19:00	EI Aula	**Registrierung**
15:00 - 18:00	SEM122, 124	**TUTORIA**
		SEM 122 **Full Waveform Laserscanning** Norbert Pfeifer, Camillo Ressl, Gottfried Mandlburger
		SEM 124 **ABGESAGT/CANCELLED Location Based Services** Georg Gartner, Felix Ortag, Manuela Schmidt, Karl Rehrl
ab 18:00	EI Innenhof	Welcome-Party (Elektrotechnisches Institut, Gusshausstraße 27-29)

DONNERSTAG, 1. Juli 2010

08:00 - 19:00	EI Aula	**Registrierung**
09:00 - 10:00	**EI 7**	**ERÖFFNUNG** Begrüßung und Eröffnung der 3-Ländertagung Grußworte Verleihung des Karl-Kraus-Nachwuchsförderpreises 2010 Verleihung des Hansa-Luftbild-Preises 2010 Eröffnung der Firmenausstellung
10:00 - 18:00	EI Aula	**Firmenausstellung**
10:00 - 10:30	EI Aula	Kaffee-Pause
10:30 - 12:15	EI 7, EI 8, EI 9	**SESSION 1.1 - 1.3**

EI 7 DGPF-Test zur Evaluierung digitaler Luftbildkameras Leitung: Norbert Haala	EI 8 Hyperspektrale Fernerkundung Leitung: Markus Hollaus	EI 9 Auswertung von Fernerkundungsdaten / Vegetation Leitung: Horst Weichelt
Der DGPF-Test zur Evaluation digitaler Luftbildkameras – Überblick und Testdesign *(Michael Cramer)*	Spectral method for separating the influence of heavy metal contamination in floodplain vegetation from other stress types (*Christian Götze, András Jung, Ines Merbach, Rainer Wennrich, Cornelia Gläßer)*	airAGro – Fernerkundungslösung für die Agronomie auf der Basis von Leichtflugzeugen und Minidrohnen *(Andreas Barmettler, Stephan Nebiker, Gerhard Kemper, Christoph Koch, Martin Schmutz, Christian Stutz, Markus Peter)*
DGPF Projekt: Evaluierung digitaler photogrammetrischer Kamerasysteme – Themenschwerpunkt Geometrie *(Karsten Jacobsen, Michael Cramer, Richard Ladstädter, Camillo Ressl, Volker Spreckels)*	Flugzeuggetragene hyperspektrale Fernerkundung am Deutschen Zentrum für Luft- und Raumfahrt (DLR) *(Sebastian Weide, Christian Schwarz, Peter Gege, Martin Bachmann, Stefanie Holzwarth, Paul Schötz, Peter Haschberger, Andreas Müller)*	Potential und Grenzen von ADS40-SH40/SH52 Luftbilddaten zur Extraktion von forstlichen Parametern *(Lars Waser, Meinrad Küchler, Christian Ginzler)*
DGPF Test Evaluierung digitaler photogrammetrische Luftbildkamerasysteme - Genauigkeit der Höhenmodellgenerierung *(Norbert Haala, Heidi Hastedt, Camillo Ressl, Kirsten Wolff)*	Brandgutdifferenzierung in einem Wildland-Urban-Interface mit Hilfe von Laser Scanning und Bildspektrometrie *(Christoph Frischknecht, Mathias Kneubühler, Felix Morsdorf)*	Evaluation of the RapidEye Red Edge Channel for improving land-use classifications *(Christian Schuster, Michael Förster, Birgit Kleinschmit)*

		DGPF Projekt: Evaluierung digitaler photogrammetrischer Kamerasysteme – Themenschwerpunkt Stereoplotting *(Volker Spreckels, Andreas Schlienkamp)*	Entwicklung, Kalibrierung und Erprobung eines neuen kosteneffizienten abbildenden Spektrometers für umweltrelevante Forschungsanwendungen *(Tobias Hank, Wolfram Mauser, Timo Gebhardt)*	Fernerkundliche Erfassung der Maktophyten im Greifswalder Bodden auf der Grundlage digitaler Luftbilddaten *(Görres Grenzdörffer)*
		Vergleichbarkeit von zeitlich, radiometrisch und spektral unterschiedlich abbildenden Kamerasystemen *(András Jung, Lutz Bannehr, Cornelia Gläßer, Christian Götze, Sascha Klonus)*	Segmentbasierte Klassifikation von Dachflächen aus kombinierter Auswertung von LiDAR-Daten und Hyperspektraldaten *(Andreas Schmidt, Lutz Bannehr)*	Satellitengestützte Waldflächenkartierung für die deutsche Treibhausgasberichterstattung *(Katja Oehmichen)*
12:15 - 13:45		Mittagspause		
13:45 - 15:15	EI 7, EI 8, EI 9	**SESSION 2.1 - 2.3**		
		EI 7 Geoinformatik / Allgemein Leitung: Thomas H. Kolbe	EI 8 Radarfernerkundung Leitung: Uwe Sörgel	EI 9 UAV Anwendungen Leitung: Christian Briese
		A Framework for the Data-Driven Analysis, Interpretation, and Transformation of Geospatial Information Models *(Andreas Krüger, Thomas H. Kolbe)*	Processing, geocoding and mosaicking of MiSAR data *(Christophe Magnard, Max Frioud, Erich Meier)*	Drohnenbasierte Überwachung- und Kartierung basierend auf einem virtuellen Globus *(Hannes Eugster, Stephan Nebiker, Kevin Flückiger)*
		Neue Entwicklungen im Bereich virtueller Globen am Beispiel der i3D-Technologie *(Martin Christen, Stephan Nebiker)*	InSAR für Kartierungsprogramme großflächiger Gebiete *(Sowmya Gopal, Thomas Damoiseaux)*	Anforderungen an die Auswertung UAV-gestützter Fernerkundungsdaten *(Ursula Kirchgäßner, Uwe Putze, Maria von Schönermark, Norbert Haala)*
		Matching von 3D Gebäudemodellen mit Wärmebildern einer flugzeuggetragenen IR-Kamera *(Dorota Iwaszczuk, Janja Avbelj, Uwe Stilla)*	Airborne Hydromapping (Frank Steinbacher, Martin Pfennigbauer, Andreas Ullrich, Markus Aufleger)	Luftgestützte Low-Cost-Aufnahmeplattform zur Unterstützung von Katastropheneinsätzen (*Mathias Schardt, Hannes Raggam, Roland Wack, Martin Ofner, Karlheinz Gutjahr,Otto Koudelka)*
		Data Mining in 3D-Stadtmodellen mit SVM (**3. Preis Karl Kraus-Nachwuchsförderpreis 2010**) (André Henn)	Gletscherbewegungsmessungen mit TerraSAR-X-Daten (**2. Preis Karl Kraus-Nachwuchsförderpreis 2010**) (Annina Faes)	
15:15 - 15:45	EI Aula	Kaffee-Pause		

15:45 - 17:00	EI 7, EI 8, EI 9	**SESSION 3.1 - 3.3**		
		EI 7 Photogrammetrische Oberflächenrekonstruktion Leitung: Michael Gruber	EI 8 Aus- und Weiterbildung Leitung: Jochen Schiewe	EI 9 Nahbereichsphotogrammetrie / Anwendungen Leitung: Viktor Kaufmann
		Evaluation of Digital Surface Models by Semi-Global Matching *(Heiko Hirschmueller, Tilman Bucher)*	Geomatics Education in the Spirit of Bologna *(Stephan Winter, Cliff Ogleby)*	Genauigkeitsaspekte bei der Oberflächenerfassung mit dem System PhotoModeler Scanner *(Heinz-Jürgen Przybilla, Jürgen Peipe)*
		Photogrammetric Reconstruction of Planetary Surfaces using Frame Camera, Push-Frame Scanner, and Line Scanner Data – Recent Missions and Activities *(Frank Scholten, Frank Preusker, Thomas Roatsch, Klaus-Dieter Matz, Marita Wählisch, Jürgen Oberst, Ralf Jaumann, Mark S. Robinson, Carol A. Raymond, Christopher T. Russell)*	Umsetzung des Kernkurrikulums Geoinformatik in der GI Ausbildung *(Matthias Möller)*	Dokumentation und Rekonstruktion des unvollendeten Kaiserdenkmals im Dom zu Speyer *(Michael Moser, Albert Grimm-Pitzinger, Klaus Hanke)*
		Vergleich von ASTER GDEM- mit SRTM-Höhenmodellen *(Karsten Jacobsen)*	Der internationale Masterstudiengang »Geodesy and Geoinformation Science« (GIS) an der Technischen Universität Berlin – Erfahrungen nach Durchlauf der ersten Kohorte *(Bernd Stary, Alexandra Lorenz, Gerhard König, Thomas Kolbe)*	Das Messverhalten Terrestrischer Laser Scanner an Steinoberflächen *(Peter Dorninger, Clemens Nothegger)*
				Vervollständigung von Stadtmodellen mittels Distanzkameras (**1. Preis Karl Kraus-Nachwuchsförderpreis 2010**) *(Stefan Niedermayr)*
16:00 - 18:30	Prechtlsaal	**POSTER SESSION** (Hauptgebäude, Karlsplatz 13)		
		Nr-	***Titel***	***Autoren***
			3D-Stadtmodelle	
		1	3D Stadtmodell in der Stadt Graz	*Xiaoming Xu, Günther Lorber*
		~~2~~	ZURÜCKGEZOGEN [Aus- und Weiterbildung]	
			Auswertung von Fernerkundungsdaten	
		3	Die Bedeutung der Semantik für Fernerkundung und GDI - ein Bericht aus der Praxis	*Rolf Lessing*
		4	Sehr echtzeitnahe Auflösungsverbesserung multispektraler Fernerkundungsdaten	*Hans-Hermann Vajen, Christian Krafft, Henrike Barkmann*
			Bildanalyse und Bildverstehen	
		5	Verbunduntersuchung von Glasfaserbewehrung im Beton	*Inga Focke, Johannes Lange, Bong-Gu Kang, Wilhelm Benning*
		6	Objekt-Orientierte Kartierung von Landbedeckungsinformationen mit hochauflösenden Fernerkundungsdaten	*Michael Pregesbauer, Christian Weise, Gregor Willhauck*
		7	Mythos True Orthophoto – Vom Sinn und Unsinn eines Produktes	*Albert Wiedemann, Patrick Wicki*
			Fernerkundung in der Geologie	
		8	Rule-based Lithologic Classification Integrating Landsat-TM data, Geological Map and DEM	*Na Li, Michaela Frei, Wladyslaw Altermann*
		9	Die Anwendung von Airborne Laserscanning (ALS) auf rutschungsgefährdetem Terrain; Fallbeispiel: Kliffküsten der Halbinsel Jasmund / Insel Rügen (Kreidefelsen)	*Sven Jany, Annegret Fredel*

			Geoinformatik	
		10	Das neue Höhenmodell "EU-DEM" für GMES Dienste der Europäischen Kommission	*René Günzkofer*
		11	Die flächendeckende ALS-Datenerfassung des Bundeslandes Steiermark	*Rudolf L. Hütter, Oswald Mörth*
			Hyperspektrale Fernerkundung	
		12	Einsatz von Reflexionsspektrometrie und HyMap-Daten zur Erfassung qualitativer und quantitativer geochemischer Parameter in der Bergbaufolgelandschaft bei Teutschenthal (westl. v. Halle/Saale	*Michael Denk, András Jung, Cornelia Gläßer, Christian Götze*
		13	White Reference Tour 2009. A round-robin test for better spectral libraries	*András Jung, Christian Goetze, Cornelia Gläßer*
		14	Using laboratory and airborne imaging spectroscopy to determine soil organic carbon	*Michael Vohland, Christoph Emmerling, Sören Thiele-Bruhn, Joachim Hill*
			Nahbereichsphotogrammetrie	
		15	Dokumentation des Gletscherrückgangs am Gössnitzkees (Schobergruppe, Hohe Tauern) für den Zeitraum 1988 - 2009 mittels terrestrischer Photogrammetrie	*Viktor Kaufmann*
			Radarfernerkundung und Flugzeuglaserscanning	
		16	The study of ground subsidence and uplift in Orumieh Lake, northwest Iran, using SAR interferometry	*Mahdi Motagh, Siavash Hosseini, Nastaran Abdolmaleki*
		17	Modeling snowmelt runoff in Hablerud River basin in Semnan Province, Iran, using optical and radar remote sensing observations	*Mahdi Motagh, Nastaran Saberi, Saeid Homayouni*
			Assessment of the Persistent Scatterer Interferometry for measuring ground deformation in Urban and	*Mostafa Esmaeili*
			Digitale photogrammetrische Kamerasysteme	
		18	New airborne sensors and platforms for solving specific tasks in remote sensing	*Gerhard Kemper*
17:15 - 18:45	EI 7		DGPF-Mitgliederversammlung	
19:00 - 23:00	Hof 1 und Prechtlsaal		Ice Breaker Party (Hauptgebäude, Karlsplatz 13)	

FREITAG, 2. Juli 2010

08:00 - 18:30	EI Aula	**Registrierung**		
09:00 - 18:00	EI Aula	**Firmenausstellung**		
09:00 - 10:30	EI 7, EI 8, EI 9	**SESSION 4.1 - 4.3**		
		EI 7 3D-Stadtmodelle Leitung: Bettina Petzold	EI 8 Auswertung von Fernerkundungsdaten / Allgemein Leitung: Mathias Schardt	EI 9 Bildanalyse und Bildverstehen Leitung: Klaus Steinnocher
		Überlegungen zum stufenlosen Übergang zwischen verschieden generalisierten 3D-Stadtmodellrepräsentationen *(Tassilo Glander, Jürgen Döllner)*	Veränderungsdetektion in Krisenregionen *(Sascha Klonus, Daniel Tomowski, Manfred Ehlers, Peter Reinartz, Ulrich Michel)*	Wissensbasierte Objekterkennung in 3D-Punktwolken und Bildern *(Andreas Marbs, Frank Boochs, Helmi Ben Hmida, Hung Truong)*
		3D-Stadtmodelle – Automatische Detektion, Modellierung und Qualitätskontrolle von Gebäudemodellen *(Peter Dorninger, Reinhard Prinz)*	Auswertung von Fernerkundungsdaten mit Self-Organizing Maps für die Herleitung von Kohlenstoffkarten *(Wolfgang Stümer)*	Automatische Detektion von Bombentrichtern in digitalisierten Luftbildern des 2. Weltkriegs *(Laura Jensen, Martin Drauschke, Wolfgang Förstner)*
		3D-Punktwolken als vollwertige 3D-Stadtmodelle? *(Stephan Nebiker, Susanne Bleisch)*	DESECURE - Satellitengestützte Kriseninformation für Deutschland *(Monika Gähler, Felix Stracke)*	A MDV-based aproach for appearance enhancement of historical images *(Mohammad AlFraheed, Ahmed Alamouri, Sabina Jeschke)*
		Bestandsaktualisierung von 3D-Stadtmodellen durch Analyse von 3D-Punktwolken *(Rico Richter, Jürgen Döllner)*	Aufbau und Aktualisierung des Objektbereichs Bodenbedeckung im Digitalen Landschaftsmodell – Status und operationelles Umsetzungskonzept *(Christine Ressl, Wilfried Rain)*	Vertikal- oder Schrägluftbilder für semantische Gebäudeinterpretation *(Philipp Meixner, Franz Leberl)*
		Airborne Laserscandaten für Planungsaufgaben in der Stadt Wien *(Lionel Dorffner)*	When remote sensing went alpine - the 10 international HMRSC symposia 1990-2008 *(Manfred Buchroithner)*	
10:30 - 11:00	EI Aula	Kaffee-Pause		
11:00 - 12:30	EI 7, EI 8, EI 9	**SESSION 5.1 - 5.3**		
		EI 7 Digitale Photogrammetrische Kamerasysteme Leitung: Camillo Ressl	EI 8 Standardisierung und Qualitätssicherung Leitung: Karl Haussteiner	EI 9 Flugzeuglaserscanning Leitung: Wolfgang Wagner
		UltraCamL: Sensorkonzept und neues Stitchingverfahren *(Richard Ladstädter, Michael Gruber)*	Kalibrierung und Validierung von Fernerkundungssensoren und -daten (ISO/TS 19159) *(Wolfgang Kresse)*	LIDAR-Datenpotenziale für hydrodynamisch-numerische Modelluntersuchungen *(Herbert Brockmann, Andreas Haase, Gottfried Mandlburger, Michael Schröder)*
		The Quattro-DigiCAM - IGI's Versatile Aerial Camera System for Various Aerial Imaging Tasks *(Jens Kremer)*	Nationale Geoportale: Metadaten-Standards als Grundlage der Qualitätssicherung - am Beispiel von AGEOportal *(Manfred Mittlböck, Josef Strobl, Mariana Belgiu)*	Waldlückenerfassung aus ALS Daten mittels alphashapes *(Lothar Eysn, Markus Hollaus, Werner Mücke, Michael Vetter, Norbert Pfeifer)*

		Überlegungen zum Dynamikbereich von digitalen, flächenbasierten Luftbildkamerasystemen vom Testflug Vaihingen/Enz *(Otto Kölbl)*	Immobilien- und Infrastruktur-Management in Österreichs grösstem Wirtschaftspark *(Hanns Schubert, Peter Wondra, Theo Meusburger)*	Maßstabsabhängige Modellierung von Strukturlinien aus ALS-Daten *(Christian Briese, Gottfried Mandlburger, Werner Mücke)*
		Evaluation of Vexcel Imaging's digital aerial camera system UltraCam-X *(Magdalena Linkiewicz, Michael Breuer)*	Räumliches Informationssystem auf Grundlage einer ontologiebasierten Datenstruktur für multidisziplinäre Forschung *(Gerald Hiebel, Klaus Hanke, Ingrid Hayek)*	
12:30 - 14:00		Mittagspause		
14:00 - 15:30	EI 7, EI 8, EI 9	**SESSION 6.1 - 6.3**		
		EI 7 Nahbereichsphotogrammetrie / Geräte & Systeme Leitung: Heinz-Jürgen Przybilla	EI 8 Geoinformatik / Anwendungen Leitung: Stephan Nebiker	EI 9 Fernerkundung in der Geologie Leitung: Hans-Ulrich Wetzel
		Mobiles Laser Scanning: Technologische Fortschritte bei der Datenakquisition *(Nikolaus Studnicka, Peter Rieger, Martin Pfennigbauer, Gerald Zach, Andreas Ullrich)*	Verwaltung landesweiter Full Waveform Airborne Laser Scanning Daten *(Gottfried Mandlburger, Christian Briese, Johannes Otepka, Bernhard Höfle, Norbert Pfeifer)*	Use of Landsat TM images for geological and lineament mapping, East and North East, Syria *(Mohammad Alibrahim, Wilhelm Dominik)*
		Automatische projektive Bildentzerrung am Beispiel der bildgestützten Planung von Solardachanlagen *(Thomas Luhmann, Andreas Voigt)*	Effiziente Verschattungsberechnung für die 3D-Solarpotenzialanalyse unter Berücksichtigung der Einstrahlungsintensität *(Juri Engel, Jürgen Döllner)*	Karstifizierung, Tektonik und Landnutzung in der Region Lusaka *(Kai Hahne)*
		Digitalkameratachymeter – Einsatzmöglichkeiten für modulare und integrierte Systeme *(Stefan Hauth, Martin Schlüter)*	OPALS (Orientation and Processing of Airborne Laser Scanning data) – Konzept und Anwendungsbeispiele einer wissenschaftlichen Laserscanning Software *(Gottfried Mandlburger, Johannes Otepka, Wilfried Karel, Bruno Wöhrer, Wolfgang Wagner, Norbert Pfeifer)*	Extraktion geologisch relevanter Strukturen auf Rügen in Laserscanner-Daten *(Joachim Niemeyer, Franz Rottensteiner, Friedrich Kühn, Uwe Sörgel)*
		Neue Digitalkameras mit erhöhter Stabilität *(Jürgen Peipe, Heinz-Jürgen Przybilla)*	Untersuchung der Effizienz und Akzeptanz von 2D- und 3D-Kartenvarianten für die Innenraumnavigation (Alexandra Lorenz, Cornelia Thierbach, Thomas H. Kolbe, Nina Baur)	
15:30 - 16:00	EI Aula	Kaffee-Pause		
16:00 - 17:30	EI 7	**ABSCHLUSS-SESSION**		
		Zum 80. Geburtstag von Gottfried Konecny	*Tsehaie Woldai*	
		Festvortrag	*Thomas A. Wunderlich*	
19:00 - 23:00	Donau	DONAUSCHIFFFAHRT (geselliges Beisammensein auf dem historischen Dampfschiff "SCHÖNBRUNN")		
SAMSTAG, 3. Juli 2010				
10:00 - 13:00	Stephansdom	Exkursion Stephansdom - ungewöhnliche Ansichten, Aussichten und Einsichten	*Franz Zehetner, Nikolaus Studnicka*	
12:00 - 16:00	EI Aula	**Registrierung für ISPRS Centenary Celebration am 4. Juli und für das TC VII Symposium vom 5. bis 7. Jul**		

International Society for
Photogrammetry and Remote Sensing

1910 - 2010

CENTENARY CELEBRATIONS

July 2-4, 2010
Vienna University of Technology
Vienna, Austria

WELCOME TO THE CENTENARY CELEBRATIONS OF ISPRS !

Prof. E. Doležal,
Obmann der
„Österreichischen Gesellschaft für
Photogrammetrie"
als
Proponent der
„Internationalen Gesellschaft für
Photogrammetrie."
Adresse: Wien, IV. K.k. technische Hoch-
schule.

I cordially welcome you to the Centenary Celebrations of the International Society for Photogrammetry and Remote Sensing (ISPRS). This is a most important milestone in the history of ISPRS, and it gives all Members of ISPRS and everyone who has been, or is currently associated with ISPRS, an opportunity to celebrate the founding of ISPRS (then ISP) on 4 July 1910 by Eduard Doležal, and the major contributions of the many professionals who have continued Eduard Doležal's vision for the Society, and have played a role in its development over the past 100 years. By adapting to changes in technology and user needs, the contributions of our forefathers have continued to ensure that ISPRS is a leading organization in the spatial information industry.

The celebrations on 4th July 2010 will comprise:

- **Extraordinary General Assembly**, at which the centenary will be celebrated, the new ISPRS Strategic Plan will be approved, and the first group of 12 of the newly approved ISPRS Fellows will be elected.
- **Unveiling of a Plaque of Eduard Doležal** to commemorating his foresight in founding ISPRS
- **Afternoon lectures** by three outstanding scientists reviewing the past achievements of ISPRS, and outlining frameworks for the future developments in photogrammetry, remote sensing and geoinformation sciences.
- **A Gala Dinner** at the Vienna City Hall (Rathaus)

This event is an opportunity for:

- Members to celebrate the centenary of ISPRS and approve the road map for the future of ISPRS in the new Strategic Plan
- Past participants in ISPRS activities to renew acquaintances and reminisce on old times
- Professionals to hear about expected new developments in the fields covered by ISPRS and how ISPRS should adapt to these changes
- Students to become aware of the contributions of our forefathers in establishing an organization that has played such a major role in the development of the spatial information technologies of today.

It is indeed a privilege to welcome you to this very historic event in the calendar of ISPRS, and I trust that you will enjoy the festivities, as well as be encouraged to continue the vision for the future of the Society, established by the founders of ISPRS a century ago.

Orhan Altan
President ISPRS 2008-2012

The above protrait shows Prof. E. Doležal as Rector of the Technische Hochschule (1908/09), now Vienna University of Technology. Below the picture is his signature and handwriting as President of the "Austrian Society for Photogrammetry", which in March 1910 he put on the application to the Ministry of Interior Affairs as proposer for the foundation of the "International Society for Photogrammetry".

2 July 2010

Venue: United Nations – Vienna International Centre

10:00 – 11:00 Best Practices Booklet *)

Launch of Booklet produced by the Joint Board of Geospatial Societies (JBGIS), entitled "JBIGS Best Practices Booklet on Geo-information for Risk and Disaster Management" at the UN Office for Outer Space Affairs (UN-OOSA).

11:00 – 12:00 Press Conference

Press Conference on the Booklet at the UN-OOSA.

3 July 2010

Venue: Aula, Vienna University of Technology, EI Building

10:00 – 12:00 Registration for the Centenary General Assembly commences. It will be continued on 4 July from 09:00 – 11:00 in the Main Building.

Venue: Lecture Hall EI 7, Vienna University of Technology, EI Building

13:00 – 17:00 Open Business Meeting

Agenda:

1. Speeches of congratulation from ISPRS Members
2. Introduction of ISPRS Strategic Plan to be approved in detail at the Centenary General Assembly on 4 July 2010
3. Activities of the ISPRS Regional Representatives
4. The role of permanent ISPRS committees – ISAC, IPAC and ICORSE
5. ISPRS publications
6. Current structure of ISPRS commissions
7. Organization of ISPRS Events (Workshops, Symposia, Congress, etc)
8. Student Consortium
9. Other important items

Venue: Cemetery at Baden near Vienna

17:30 – 19:00 Visit to Doležal's Grave

A coach will drive Council and guests from the University of Technology, EI Building, to the cemetery in Baden, where a wreath will be laid at Doležal's grave.

Venue: Heuriger (Wine Tavern) in Baden near Vienna

19:00 – 22:00 Heuriger (Wine Tavern)

The coach drives visitors of the grave to a typical wine tavern in Baden, where traditional meals and wine of the region will be served. At the end of an enjoyable and remarkable evening the coach will return to Vienna.

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*) **BLUE:** Attendance by invitation only; **GREEN:** Open to registered persons

4 July 2010

Venue: Festsaal at Vienna University of Technology, Main Building

11:00 – 12:30 Centenary General Assembly

09:00 – 11:00 Registration for the Centenary GA in Festsaal's anteroom

- Official opening and congratulatory speeches on the occasion of ISPRS reaching its Centenary
- Recognition of former Presidents of ISPRS
- Election of ISPRS Fellows
- Presentation and approval of the new ISPRS Strategic Plan

Venue: Courtyard of Vienna University of Technology, Main Building

12:30 – 12:45 Unveiling of a Plaque

to commemorate the founding of ISPRS on the premises of the Vienna University of Technology on 4 July 1910 by Prof. Eduard Doležal

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Venue: Prechtl-Saal at Vienna University of Technology, Main Building

12:45 – 13:45 Buffet Lunch

Venue: Kuppel-Saal at Vienna University of Technology, Main Building

14:00 – 16:00 Afternoon Lecture Series

|:♫ G.F.Handel: Rigaudon from Water Music, Suite 3 ♫:|

Welcome Speeches

Rector of the Vienna University of Technology, Professor Peter Skalicky
President of ISPRS, Professor Orhan Altan

Presentation of Karl Kraus Medal

which is awarded to the author of an outstanding textbook

|:♫ W.A.Mozart: Divertimento KV136, 1st mov. ♫:|

Presentation on the past, present and future of ISPRS

Speakers:

Gottfried Konecny (Germany):	History of ISPRS
Lawry Jordan ESRI (USA):	GeoImagery – A New Paradigm
Norbert Pfeifer (Austria):	Future developments in ISPRS's areas of interest

|:♫ J.Strauss II: Wiener Blut; *Quartet: Members of the TU Orchestra* ♫:|

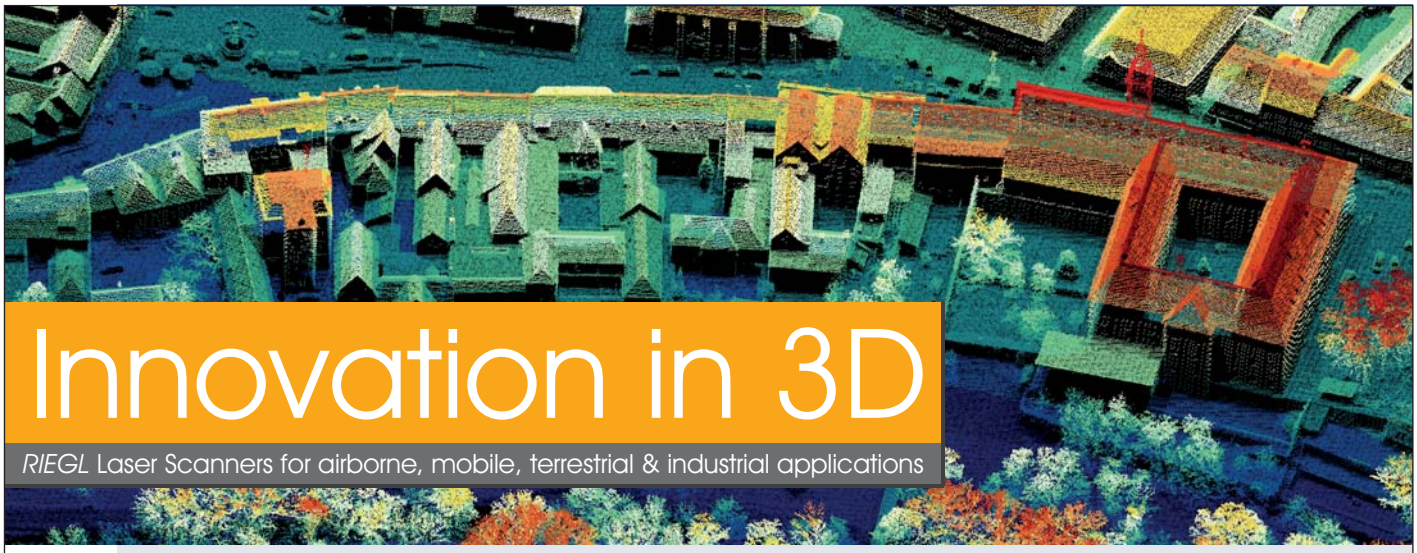
Venue: Festsaal at the City Hall of Vienna

19:00 – 23:00 Gala Dinner

Speaker: ***Professor Franz Josef Radermacher***, a world expert on globalization, innovation and global sustainable development.

Dress code will be smart suit, black tie or national costume

A booklet on the history of ISPRS, written by Gottfried Konecny, will be available free of charge at the Celebrations.



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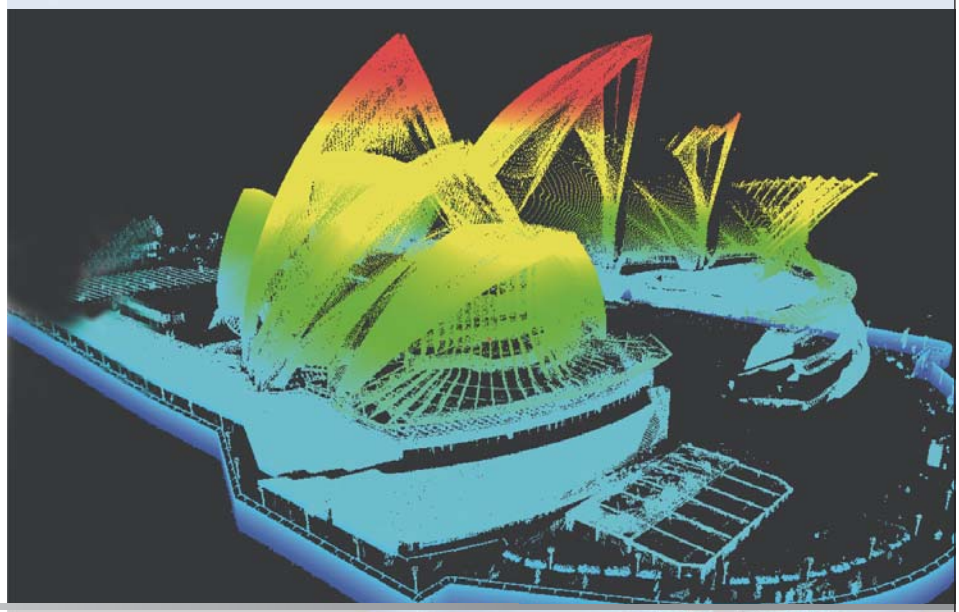

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ISPRS Technical Commission VII Symposium

PLEASE NOTE Contributions in this colour indicate changes since the publication of the first issue of the Programme Booklet (=printed version) V 20100702

MONDAY, 5 July 2010

08:00 - 18:00	EI Aula	**Registration**
09:00 - 10:30	**EI 7**	**OPENING SESSION**
		Welcome Address by the Symposium Chairman *(**Wolfgang Wagner**)*
		Welcome Address by the President of ISPRS *(**Orhan Altan**)*
		Presentation of the ISPRS Student Consortium *(**Cemal Özgül Kivilcim**)*
09:30 - 10:00		Recent Advances in Local and Global Environmental Remote Sensing *(Menzel et al. (W. Paul **Menzel**)*
10:00 - 10:30		Assimilation of satellite data into land surface models ***(Shaun Quegan)***
10:30 - 11:00	EI Aula	Coffee Break
11:00 - 12:45	EI 7, EI 8, EI 9	**ORAL SESSION 1.1 - 1.3**

	EI 7 Remote Sensing Applications 1 Chair: Klaus Steinnocher, Co-Chair: Christoph Aubrecht	EI 8 Data Fusion and Data Assimilation Chair: Jixian Zhang, Co-Chair: John van Genderen	EI 9 Lidar and Laser Scanning 1 Chair: Juha Hyyppä, Co-Chair: Bernhard Höfle
11:00 - 11:15	Observing stress of artificial night lighting on marine ecosystems - A remote sensing application study *(Aubrecht & al.; **Christoph Aubrecht**)*	Fusion of optical and radar remote sensing data: Munich city example *(Palubinskas & Reinartz; **Gintautas Palubinskas**)*	Automatic detection of buried channel deposits from dense laser altimetry data *(Possel & al.; **Roderik C. Lindenbergh**)*
11:15 - 11:30	Retrieval of biophysical vegetation products from rapideye imagery *(Vuolo & al.; **Katja Richter**)*	Fusion of ALS Point Cloud Data with High Precision Surveying *(Data Wehr & al.; **Aloysius Wehr**)*	Comparison of terrestrial laser scanner and synthetic aperture radar data in the study of forest defoliation *(Kaasalainen & al.; **Sanna Kaasalainen**)*
11:30 - 11:45	Built -up areas density mapping from satellite images by morphological granulometries (*Kemmouche & al.; **Akila Kemmouche**)*	Fusion of ascending and descending polarimetric SAR data for color orthophoto generation *(Zhang & al.; **Jixian Zhang**)*	Terrain echo probability assignment based on full-waveform airborne laser scanning observables *(Mücke & al.; **Werner Mücke**)*
11:45 - 12:00	Remote Sensing, Geographic Information Systems and Shannon's Entropy: Measuring Urban Sprawl in a Mountainous Environment *(Verzosa & Gonzalez; **Loureal Camille Verzosa**)*	Pansharpening -- Relating Quantitative Quality Measures to Impact on Results of Subsequent Processing Steps *(**Uwe Weidner**)*	A Wavelet-base method in filtering of airborne Laser scanning data ***(Grzegorz Jozkow)***
12:00 - 12:15	Estimating sub-pixel to regional winter crop areas using neural nets *(Atzberger & Rembold; **Clement Atzberger**)*	The registration of 3-D model and 2-D image using point and line features *(Teo & Chen; **Tee-Ann Teo**)*	The Light Fantastic: Using airborne lidar, in archaeological survey ***(Simon Crutchley)***
12:15 - 12:30	Fusing Earth Observation with Local-level Health Data in a Virtual Globe Platform for Strengthening Public Health Capacity in Kisumu, Kenya *(Seaquist & al.; **Jonathan Seaquist**)*	Spatio-Temporal Characterization of Aerosols through Active Use of Data from Multiple Sensors *(Obradovic & al.; **Zoran Obradovic**)*	Comparison of grid-based and segment-based estimation of forest attributes using airborne laser scanning and digital aerial imagery *(Tuominen & Haapanen; **Sakari Tuominen**)*
12:30 - 12:45	Discussion	Discussion	Discussion
12:45 - 14:00	Lunch Break		

14:00 - 15:45	EI 7, EI 8, EI 9	**ORAL SESSION 2.1 - 2.3**		
		EI 7 Remote Sensing Applications 2 Chair: Clement Atzberger, Co-Chair: Balázs Székely	EI 8 Change Detection and Process Modelling Chair: Qiming Zhou, Co-Chair: Manos Baltsavias	EI 9 Lidar and Laser Scanning 2 Chair: Sanna Kaasalainen, Co-Chair: Uwe Stilla
14:00 - 14:15		Remote Sensing and GIS in Inflow Estimation: The Magat Reservoir, Philippines Experience *(Sarmiento & al.; **Rhodora M. Gonzalez**)*	Assessment system of GIS-objects using multi-temporal imagery for near-realtime disaster management *(Frey & Butenuth; **Daniel Frey**)*	ALTM ORION: Bridging conventional LIDAR and full waveform digitizer technology *(Ussyshkin & Theriault; **Valerie Ussyshkin**)*
14:15 - 14:30		Efficiency of texture measurement from two optical sensors for improved biomass estimation *(Nichol & Sarker; **Janet Nichol**)*	Mapping the deformation of man-made linear features using dinsar technique *(Wu & al.; **Hongan Wu**)*	Radiometric calibration of Full-Waveform Airborne Laser Scanning Data based on natural surfaces *(Lehner & Briese; **Hubert Lehner**)*
14:30 - 14:45		Land Border Monitoring with remote sensing technologies *(Malinowski & Bielinska; **Radoslaw Malinowski**)*	Automatic 3D Change Detection based on optical satellite stereo imagery Tian & al. *(**Jiaojiao Tian**)*	Urban vegetation detection using high density full-waveform airborne LiDAR data - Combination of object-based image and point cloud analysis *(Höfle & Hollaus; **Bernhard Höfle**)*
14:45 - 15:00		Mapping stream bank condition from airborne LiDAR and high spatial resolution image data in a temperate rural-urban environment, Australia *(Johansen & al.; **Kasper Johansen**)*	Sub-pixel precision image matching for displacement measurement of mass movement using normalised cross-correlation *(Debella-Gilo & Kääb; **Misganu Debella-Gilo**)*	Evaluation of a laser Mobile Mapping System for monitoring sandy coasts *(Bitenc & al.; **Maja Bitenc**)*
15:00 - 15:15		Quantitative Prognosis of Oil and Natural Gas Fields *(Vostokov & al.; **Anatoliy Vostokov**)*	Characterisation of long-term Vegetation Dynamics for a semi-arid wetland using NDVI time series from NOAA-AVHRR ***(Ralf Seiler)***	Data driven alignment of 3D building models and digital aerial images *(Jung & al.; **Costas Armenakis**)*
15:15 - 15:30		Mountains' Peaks Parameterisation and Determination *(**Tomaž Podobnikar**)*	Targeted Change Detection: A Novel Sensor-Independent Partially-Supervised Approach *(Fernàndez-Prieto & Marconcini; **Mattia Marconcini**)*	Tree Species Detection using full waveform LIDAR data in a complex forest *(Gupta & al.; **Sandeep Gupta**)*
15:30 - 15:45		Discussion	Discussion	Discussion
15:45 - 16:15	EI Aula	Coffee Break		
16:15 - 17:45	Prechtlsaal	**POSTER SESSION** (Main Building, Karlsplatz 13) Please refer to the floor plan in Prechtlsaal to find the respective board for a poster number		

Poster #	***Title***	***Authors***
	Change detection and process modelling	
CHGD-004	Research of 2D-Fisher rule function in change detection of remote sensing images	*Zhang (Baoming Zhang)*
CHGD-006	Change visualization through a texture-based analysis approach for disaster applications	*Tomowski & al. (Daniel Tomowski)*
CHGD-101	Deriving water fraction and flood map with the EOS/MODIS data using decision tree approach	*Sun & Yu (Donglian (Lillian) Sun)*
CHGD-104	Detection of forest management operations using bi-temporal aerial photographs	*Hyvönen & al. (Pekka Hyvönen)*
CHGD-105	Analysing spatio-temporal pattern of land cover change using multi-temporal satellite images	*Zhou & Sun (Qiming Zhou)*
CHGD-107	Mangrove change analysis using remote sensing and GIS technology (Case study: Can Gio district, Ho Chi Minh city, Viet Nam)	*Hoa Binh (Truong Thi Hoa Binh)*
CHGD-108	Analysis and Modeling of Urban Land Cover Change in Setúbal and Sesimbra, Portugal	*Araya (Yikalo Araya)*
CHGD-146	Automatic Registration of Airborne and Space-borne Images by Topology Map-Matching with SURF Processor Algorithm	*Brook & Ben-Dor (Anna Brook)*
CHGD-158	Landsat Image Time Series for Monitoring Change in Vegetation Phenology and Disturbance in Queensland, Australia	*Bhandari & al. (Santosh P. Bhandari)*
~~CHGD-159~~	~~Sub-pixel precision algorithms for normalised cross-correlation based image matching of mass movements~~	~~*Debella-Gilo & Kääb (Misganu Debella-Gilo)*~~
CHGD-183	Change detection for building models from aerial images and LIDAR data	*Chen & al. (Liang-Chien Chen)*
CHGD-194	Measuring fluctuations of the aquifer in a Brazilian savanna region using a temporal sequence of 50 Landsat images	*Pires-Luiz & Maillard (Philippe Maillard)*

		CHGD-249	TerraSAR-X based Map to Image Change Detection	*von Poncet & al. (Felicitas von Poncet)*
		CHGD-262	The aerial photos to detect changes in the landscape affected by black coal deep mining	*Mulkova & Popelkova (Monika Mulkova)*
		~~CHGD-333~~	~~VHR Imagery Change Detection using Land Use Data and Histogram Analysis~~	~~*van der Sande & al. (Corne van der Sande)*~~
		~~CHGD-339~~	~~Monitoring of beaches and sand dunes using digital aerial photography with direct georeferencing~~	~~*Gonçalves & al. (Jose Gonçalves)*~~
		CHGD-393	A spatial statistics approach to land use cover change modeling	*Simões Penello Meirelles & al. (Margareth Simões Penello Meirelles)*
			Lidar and laser scanning	
		LIDR-041	True Orthophoto Creation Through Fusion of LiDAR Derived Digital Surface Model and Aerial Photos	*Kato & al. (Akira Kato)*
		LIDR-042	The effect of biomass and scanning angle on the laser pulse transmittance to the ground	*Ahokas & al. (Eero Ahokas)*
		LIDR-125	Development of Vegetation Structure Inputs From ICESat, SRTM and MODIS Satellite Data for a Mixed Canopy Dynamic Global Terrestrial Ecosystem Model	*Ni-Meister (Wenge Ni-Meister)*
		LIDR-170	DEM generation from airborne LiDAR data by an adaptive dual-directional slope filter	*Wang & Tseng (Cheng-Kai Wang)*
		LIDR-180	Laser Spot-Scanning to construct “Ground Control Area” in very heterogeneous Photo Block	*Mustafa & Amhar (Adi Junjunan Mustafa)*
		LIDR-190	Terrain roughness parameters from full-waveform airborne LIDAR data	*Hollaus & Höfle (Markus Hollaus)*
		LIDR-193	Estimating canopy height with small footprint Lidar and field measurements: a tropical challenge	*Lobo & Soto (Elena Lobo)*
		LIDR-213	Self-calibration and evaluation of the Trimble GX terrestrial Laser scanner	*Chow & al. (Jacky Chow)*
		LIDR-214	Indoor targetless terrestrial Laser scanning	*Chow & al. (Jacky Chow)*
		~~LIDR-230~~	~~Detailed Digital Surface Model (DSM) Generation, Automatic Object Detection and Surface Characterization to Model Urban Flooding.~~	~~*Aktaruzzaman al. (MD Aktaruzzaman)*~~
		~~LIDR-232~~	~~Fusion of Full Waveform LIDAR Data and Hyperspectral Data for tree species classification~~	~~*Krzystek & al. (Josef Reitberger)*~~
		LIDR-251	Vertical roughness mapping - ALS based classification of the vertical vegetation structure in forested areas	*Aubrecht & al. (Christoph Aubrecht)*
		LIDR-280	Correction of the incretitudes of measured points by Laser scanning on the physical surface	*Temba (Plinio Temba)*
		LIDR-305	A method of building planes extraction from Lidar point clouds	*Li & al. (Jingmei Li)*
		LIDR-310	Building model reconstruction with LiDAR data and topographic map by registration of building outlines	*Lin & al. (Man-Chia Hsu)*
		LIDR-319	Which are the nearest neighbors in k-nn-based ALS inventories	*Haapanen & Tuominen (Reija Haapanen)*
		LIDR-390	Change detection of building footprints from airborne laser scanning acquired in short time intervals	*Rutzinger & al. (Michael Vetter)*
			Microwave remote sensing	
		MWAV-046	Airborne Doppler navigation system application for measurement of the water surface backscattering signature	*Nekrasov (Alexey Nekrasov)*
		~~MWAV-049~~	~~Spaceborne altimeter potential possibilities on sea surface significant wave height measurements~~	~~*Grishechkin & Baskakov (Boris Y. Grishechkin)*~~
		MWAV-052	Advances on Repeated Space-borne SAR Interferometry and its application to ground deformation monitoring	*Liu (Winmay Liu)*
		MWAV-089	Land cover identification using polarimetric SAR images	*Kourgli & al. (Assia Kourgli)*
		MWAV-090	SAR stereo-mapping based on DEM	*Yang (Shucheng Yang)*
		MWAV-091	A framework of polarimetric SAR filter based on intensity and polarimetric information	*Li & al. (Pingxiang Li)*
		MWAV-196	The value of active microwave satellite data for monitoring high latitude environment	*Bartsch & al. (Sang Eun Park)*
		~~MWAV-217~~	~~TEST 02: Testing with access restricted~~	~~*Nothegger & Dorninger (Peter Dorninger)*~~
		MWAV-224	Assessment of the impact of uncertainty on modelled soil surface roughness on SAR-retrieved soil moisture uncertainty	*De Keyser & al. (Eva De Keyser)*
		MWAV-247	Preliminary quantitative analysis of interferometric coherence degree and number of residues in interferogram	*Chang & al. (Zhanqiang Chang)*
		MWAV-302	Simulation and analysis of the atmospheric effects on SAR interferograms	*Abdelfattah (Riadh Aabdelfattah)*
		MWAV-326	The study of ground subsidence and uplift in Orumieh Lake, northwest Iran, using SAR Interferometry	*Hosseini & Abdolmaleki (Siavash Hosseini)*
		MWAV-350	A Brief History of the German Commercial Spaceborne Radar Activities	*Weber (Marco Weber)*
		MWAV-359	Scattering matrix decomposition and color spaces performance for synthetic aperture RADAR imagery	*Arriagada & al. (Manuel Arriagada)*
		MWAV-400	Synthetic aperture radar image resolution effect on target discrimination	*McGowan & al. (John McGowan)*
		MWAV-412	Microwave radiometry for analysis of climate change by monitoring sea ice, snow cover and oceans	*Venkataraman (Archana Venkataraman)*

	Remote sensing applications	
RSAP-065	Detection of highways in high resolution images using Mathematical Morphology techniques	*Silva (Erivaldo Silva)*
RSAP-068	Remotely sensed data & GIS in land resources management for regional planning over semi-arid parts of NE Brazil	*Teotia (Harendra Teotia)*
~~RSAP-069~~	~~Detection of 25-year land-cover change in a critical watershed in southern philippines using LANDSAT MSS and ETM+ images: importance in watershed rehabilitation~~	~~*Santillan & al. (Jojene Santillan)*~~
RSAP-072	Estimation of timber assortments using low-pulse ALS data	*Holopainen & al. (Markus Holopainen)*
RSAP-074	Maps of hydrological variables from remote sensing and a distributed water balance model	*Sanchez & al. (Nilda Sanchez)*
~~RSAP-075~~	~~Proposition routine morphological standard for detection of reservoirs in hydroeletrics~~	~~*Grando Stroppa (Raquel Grando Stroppa)*~~
RSAP-076	Analysis of spatiotemporal variation of NDVI derived from TM and MODIS images	*Lei & Bian (Shaogang Lei)*
RSAP-077	PM MAPPER - an optical multispectral data processing application for aerosol and air quality fields estimation	*Nguyen & al. (Thi Nhat Thanh Nguyen)*
RSAP-079	A method for robust extraction of control points on high-resolution satellite images	*González & al. (Vicente Arévalo)*
RSAP-080	Modeling of chlorophyll concentration for Novosibirsk reservoir (South of the West Siberia)	*Kovalevskaya & al. (Nelley Kovalevskaya)*
RSAP-081	Using remote sensing products for environmental analysis in South America	*Shimabukuro & al. (Yosio Edemir Shimabukuro)*
RSAP-082	Impacts of underground coal mining on land eco-environment under the context of desert by means of remote sensing and GIS	*Bian (Zhengfu Bian)*
RSAP-093	Monitoring impervious surface sprawl in shanghai using tasseled cap transformation of LANDSAT data	*Zhang & Ban (Qian Zhang)*
RSAP-134	The role of remote sensing in fighting against terrorism- A case of Pakistan	*Asmat (Ali Asmat)*
RSAP-135	NDVI (MODIS sensor) response to interannual variability of rainfall and evapotranspiration in a soybean producing region, southern Brazil	*Giarolla & al. (Angelica Giarolla)*
RSAP-136	Flooding of Cities: A RS and Approach	*Vyas (Anjana Vyas)*
RSAP-137	Integrated Land Resources Planning Using Remote Sensing and GIS: Case studies from Haryana State, India	*Chaudhary (Bhagwan Singh Chaudhary)*
RSAP-142	The use of aerospace photographies and remote sensing data in cartography	*Gojamanov (Magsad Gojamanov)*
RSAP-143	15 years of urban and regional applications of VHR imagery in Poland	*Lach (Robert Lach)*
~~RSAP-144~~	~~Evaluation of urban sprawl using remote sensing and GIS~~	~~*Omolere (Sesan Omolere)*~~
RSAP-172	Identification of beach features/patterns through artificial neural networks techniques using IKONOS data	*Teodoro & al. (Ana Teodoro)*
RSAP-175	Identification of historical land use by the help of aerial photography	*Zdimal (Vaclav Zdimal)*
~~RSAP-189~~	~~Identifying the Poor in the Cities - How can Remote Sensing help to profile poverty (slum dwellers) in megacities?~~	~~*Netzband (Maik Netzband)*~~
~~RSAP-197~~	~~Hydrological Simulation of Mahanadi River Basin and Impact of land use / land cover change on surface runoff using a macro scale hydrological model~~	~~*Dadhwal & al. (VK Dadhwal)*~~
RSAP-200	Time series satellite imagery analysis for drought hazard assessment and environmental challenges of Hamoun Desert Lake in Sistan region -Iran	*Sharifikia (Mohammad Sharifikia)*
RSAP-208	Recognition of winding displacements for steel coils via laser light section technique	*Hölzl & al. (Patrick Hölzl)*
~~RSAP-231~~	~~Earth observation for monitoring conflict resources in the Democratic Republic of the Congo~~	~~*Kranz & Schoepfer (Olaf Kranz)*~~
RSAP-253	Disaster Monitoring and Management by the Unmanned Aerial Vehicle Technology	*Chou & al. (Ying Chih Chen)*
RSAP-272	An insight of using remote sensing technique on water resources management	*Farid & al. (Alireza Farid)*

		~~RSAP-277~~	~~Envirnomental impact assessment using Neural Network Model: A case study of the Jahani ,konarsiah and Kohe Gach salt plugs, SE Shiraz, Iran~~	~~*Tayebi & al. (Mohammad Hasan Tayebi)*~~
		RSAP-279	Passive microwave soil moisture evaluations by ground based measurements in Korea	*Choi & al. (Minha Choi)*
		RSAP-303	Fusion of Multi-modal and Multi-temporal Satellite Data for Forest Management	*Thiele & al. (Antje Thiele)*
		RSAP-307	Application of multi-spectral remotely sensed imagery in agriculture	*Kokhan (Svitlana Kokhan)*
		RSAP-349	Condition of quasi natural area and its environment in long term changes - remote sensing and GIS assessment in Great plain, Hungary	*Kovács (Ferenc Kovács)*
		RSAP-356	Estimating scaled cloud optical thickness from SEVIRI, for air quality research, by implementing a semi-analytical cloud retrieval algorithm	*Pandey & al. (Praveen Pandey)*
		RSAP-368	3D city wide mapping of New Delhi- End of an era of Mapping Restrictions	*Upadhyaya (Alok Upadhyaya)*
		RSAP-384	Studying Bio-Environmental Potentials of Kusalan Area, Based on IUCN criterions, using RS and GIS technologies	*Oladi & Ahsani (Jafar Oladi)*
		~~RSAP-387~~	~~When remote sensing went alpine - the 10 international HMRSC symposia 1990-2008~~	~~*Buchroithner (Manfred Buchroithner)*~~
		RSAP-388	Comparison of the interpolation methods for creating the water surface model (WSM) and underwater digital terrain model (UDTM) using airborne Lidar hydrography (ALH) data	*Najibi & Abedini (Abbas Abedini)*
		RSAP-398	More than 150 years of remote sensing the forest in Hungary	*Király (Géza Király)*
18:00 - 23:00	Courtyard and Prechtlsaal		Ice Breaker Party (Main Building, Karlsplatz 13)	

TUESDAY , 6 July 2010

08:00 - 18:00	EI Aula	**Registration**		
08:30 - 10:15	EI 7, EI 8, EI 9	**ORAL SESSION 3.1 - 3.3**		
		EI 7 Multi-spectral and Hyperspectral Remote Sensing 1 Chair: Werner Schneider, Co-Chair: Wouter Dorigo	EI 8 Land Cover Classification 1 Chair: Yun Zhang, Co-Chair: Peijun Li	EI 9 Microwave Remote Sensing 1 Chair: Michele Crosetto, Co-Chair: Annett Bartsch
08:30 - 08:45		Validation of the radiometric processing chain of the Leica ADS40 airborne photogrammetric sensor *(Markelin & al.; **Lauri Markelin**)*	Texture analysis to improve supervised classification in IKONOS imagery *(Tassetti & al.; **Anna Nora Tassetti**)*	Land cover identification using polarimetric SAR images *(Kourgli & al.; **Assia Kourgli**)*
08:45 - 09:00		Four reduced-reference metrics for measuring hyperspectral images after spatial resolution enhancement *(Qian & Chen; **Shen-En Qian**)*	Automated Extraction of Plantations from Orthophotos Using a Level Set Based Segmentation Method *(Vogt & al.; **Karsten Vogt**)*	Tidal wetland monitioring using polarimetric synthetic aperture radar *(Park & al.; **Sang-Eun Park**)*
09:00 - 09:15		True Orthophoto Creation Through Fusion of LiDAR Derived Digital Surface Model and Aerial Photos *(Kato & al.; **Akira Kato**)*	Classification of settlement areas in remote sensing imagery using conditional random fields *(Hoberg & Rottensteiner; **Thorsten Hoberg**)*	The capabilities of TerraSAR-X imagery for retrieval of forest parameters *(Perko & al.; **Roland Perko**)*
09:15 - 09:30		Retrieval of Vegetation Biochemicals Using a Radiative Transfer Model and Hyperspectral data *(Darvishzadeh & al.; **Roshanak Darvishzadeh**)*	Development of a supervised software tool for automated determination of optimal segmentation parameters for eCognition *(Zhang & al.; **Yun Zhang**)*	Woody vegetation class extraction in savanna woodlands using quadpol ALOS PALSAR data *(Paradzayi & al.; **Charles Paradzayi**)*
09:30 - 09:45		Use spectral derivatives for estimating canopy water content *(**Jan Clevers**)*	Land Cover and Land Use classification assessment for a creation of a National Mapping Agency framework *(Sanchez Hernandez & Hart; **Carolina Sanchez Hernandez**)*	The Remote Sensing in Low Atmosphere Complicated by the Nanoparticles Systems *(Uvarova & al.; **Tatiana Kazarova**)*
09:45 - 10:00		An Investigation on the Use of the Independent Component Analysis (ICA) Techniques for Elimination of the Changes of the Unwanted Lighting Conditions of Images *(Dogan & Altan; **Sedat Dogan**)*	Semiautomatic classification of tree species by means of multi-temporal airborne digital sensor data ADS40 *(Waser & al.; **Lars Waser**)*	Image Texture Preservation in Speckle Noise Suppression *(Shamsoddini & Trinder; **Ali Shamsoddini**)*
10:00 - 10:15		Discussion	Discussion	Discussion
10:15 - 10:45	EI Aula	Coffee Break		
10:45 - 12:30	EI 7, EI 8, EI 9	**ORAL SESSION 4.1 - 4.3**		
		EI 7 Multi-spectral and Hyperspectral Remote Sensing 2 Chair: Eyal Ben-Dor, Co-Chair: Nicolas Paparoditis	EI 8 Land Cover Classification 2 Chair: Paul Aplin, Co-Chair: Josef Jansa	EI 9 Microwave Remote Sensing 2 Chair: Uwe Sörgel, Co-Chair: Sang-Eun Park
10:45 - 11:00		Radiometric calibration for Digital Aerial Mapping Cameras *(**Klaus Neumann**)*	Automatic Quality Control of Cropland and grasland GIS objects using IKONOS Satellite Imagery *(Helmholz & al.; **Petra Helmholz**)*	TerraSAR-X Stereo Digital elevation models for complex terrain conditions in alpine regions and its suitability for orthorectification purposes of optical and SAR imagery *(Kiefl & al.; **Nadine Kiefl**)*
11:00 - 11:15		Development of quality layers for airborne hyperspectral imagery and end-to-end water and soil products (HYQUAPRO) *(Reusen & al.; **Ils Reusen**)*	Investigating super-resolution analysis and scale and time of observation for characterising bracken (Pteridium aquilinum) distributions *(Aplin & Holland; **Paul Aplin**)*	Stereo radargrammetry in South-East Asia using TerraSAR-X stripmap data *(He & al.; **Timo Balz**)*

11:15 - 11:30		Wireless sensor networks for in-situ image validation for water and nutrient management in broad acre wheat *(Devadas & al.; **Rakhesh Devadas**)*	Deriving water fraction and flood map with the EOS/MODIS data using regression tree approach *(Sun & Yu; **Donglian Lillian Sun**)*	Measurement of Long Term Deformation in the Metro Manila, the Philippines *(**Tomonori Deguchi**)*
11:30 - 11:45		Variation and anisotropy of forest tress in radiometrically calibrated images of an airborne line sensor - implications to species classification *(Korpela & Rohrbach; **Ilkka Korpela**)*	Multitemporal RADARSAT-2 polarimetric SAR data for urban land-cover mapping *(Niu & Ban; **Yifang Ban**)*	Active and passive microwave remote sensing of springtime near-surface soil thaw events at middle latitudes *(Han & al.; **Lijian Han**)*
11:45 - 12:00		A Combined Destriping Algorithm for Imaging Spectrometer Data *(Rezaei & al.; **Yousef Rezaei**)*	Weakly Supervised Polarimetric SAR Image Classification with Multi-modal Markov Aspect Model *(Yang & al.; **Wen Yang**)*	Simulation assisted high-resolution PS-InSAR analysis *(Schunert & al.; **Alexander Schunert**)*
12:00 - 12:15		Using remote sensing products for environmental analysis in South America *(Shimabukuro & al.; **Yosio Edemir Shimabukuro**)*	Urban impervious surface extraction from very high resolution imagery by One-Class Support Vector Machine *(Li & al.; **Peijun Li**)*	Topographic estimation by TERRASAR-X *(Sefercik & Sörgel; **Uwe Sörgel**)*
12:15 - 12:30		Discussion and Announcements	Discussion and Announcements	Discussion and Announcements
12:30 - 14:00		Lunch Break		
14:00 - 15:30	Prechtlsaal	**POSTER SESSION** (Main Building, Karlsplatz 13) Please refer to the floor plan in Prechtlsaal to find the respective board for a poster number		

Poster #	***Title***	***Authors***
	Data fusion and data assimilation	
DFUS-013	Pixel level fusion methods for remote sensing images: A current review	*Yang (Jinghui Yang)*
DFUS-017	A comparative case of study of image sharpening	*Rodríguez Galiano & al. (Victor F Rodríguez Galiano)*
DFUS-018	Integration of contextual information for the transfer of the beliefs in an information sources fusion system-application to detection and classification of trees crowns	*Ben Dhiaf & al. (Zouhour Ben Dhiaf)*
DFUS-109	Super resolved remote sensing by fusion of multi spectral and spatial data	*Gur & al. (Eran Gur)*
DFUS-266	Fusion of Pan and Multispectral Images based on Nonsubsampled Contourlet Transform	*Jia & Xiao (Yonghong Jia)*
DFUS-269	Evaluation criteria for image fusion performance in different applications	*Zeng & Zhang (Yu Zeng)*
DFUS-298	An invented approach in image registration “new era in photogrammetry”	*Homainejad (Amir Saeed Homainejad)*
DFUS-299	A Comparative Analyses of image fusion techniques for SPOT5 data: An Example from Istanbul	*Bektas Balcik & Goksel (Cigdem Goksel)*
~~DFUS-335~~	~~3D Building Reconstruction using Digital Map and Airborne LiDAR Data~~	~~*Cho & Park (Woosug Cho)*~~
DFUS-345	Quality Assessment Of Image fusion Techniques For Multisensor High Resolution Satellite Images (case study: IRS-P5 and IRS-P6 satellite images)	*Fallah Yakhdani & Azizi (Mohammad Fallah Yakhdani)*
DFUS-351	3D Building Reconstruction using Digital Map and Airborne Digital Camera Imagery	*Choi (Myung-Jin Choi)*
DFUS-395	A Comparative Study of Global and Local Transformation Functions For High Resolution Satellite Image Registration	*Fallah Yakhdani & Azizi (Mohammad Fallah Yakhdani)*
DFUS-407	Assessment of very high resolution satellite data fusion techniques for landslide recognition	*Santurri & al. (Leonardo Santurri)*
DFUS-408	Co-calibration of the visual and near-infrared data and a common GN vegetation index for the AVHRR/3, MODIS and Meteosat MSG images	*Pásztor & Bognár (Szilárd Pásztor)*

	Geometric modeling	
~~GEOM-020~~	~~Precise Processing of SPOT-5 HRS and IRS-P5 Stereo Imagery-- For the Project of West China Topographic Mapping at 1:50,000 Scale~~	~~*Zhang & Zhang (Li Zhang)*~~
GEOM-111	Accurate Pose Estimation of Uncalibrated Camera for Building Geometric Modeling	*Xie & al. (Wenhan Xie)*
GEOM-112	Lunar Geomorphy 3D Visualization Method	*Yang & al. (Zhou Yang)*
GEOM-176	Automatic simulation of Images and Auxiliary data for programming and receiving loop Validation of the VENuS Image Ground Segment	*Poncet & Vadon (Maurice Poncet)*
GEOM-182	Collocation-aided adjustment of heterogeneous models for satellite images	*Chang & al. (Wen-Chi Chang)*
GEOM-221	A New Rigorous Imaging Equation for Radar Imagery Base on External Orientation Elements	*Cheng & al. (Chunquan Cheng)*
~~GEOM-347~~	~~Surface Structure Algorithm of 3D Building Model~~	~~*Song & Wei (Yanfeng Wei)*~~
GEOM-362	A DBMS-based 3D Topology Model for Laser Radar Simulation	*Jun (Chulmin Jun)*
GEOM-370	Modeling of a single shrub from TLS data using stratified convex hull algorithm	*Tymkow & Borkowski (Przemyslaw Tymkow)*
GEOM-378	Self calibration of small and medium format digital cameras	*Moe & al. (Mike Benson)*
	Image processing and pattern recognition	
IMGP-021	Multistage algorithm for multispectral remote sensing images lossless compression	*Zamyatin (Alexander Zamyatin)*
IMGP-023	Road extraction from ALOS images using mathematical morphology	*Pires de Castro & Silva Centeno (Fabiana Silva Pires de Castro)*
IMGP-031	An adaboost-based iterated MRF model with linear target prior for synthetic aperture radar image classification	*Su & al. (Xin Su)*
IMGP-032	Empirical comparison of machine learning techniques for object-based image classification with application to vegetation management in power line corridors	*Li & al. (Yuee Liu)*
IMGP-085	Analysis of spatial and temporal evolution of the NDVI on vegetated and degraded areas in the central Spanish Pyrenees	*Alatorre & Beguería (Luis Carlos Alatorre)*
IMGP-113	Efficient smoothing of NDVI time series using the Whittaker smoother	*Atzberger & Eilers (Paul H.C. Eilers)*
IMGP-114	Analysing the facial morphology with a three-dimensional geometrical features approach	*Vezzetti & al. (Enrico Vezzetti)*
~~IMGP-115~~	~~Effect of Ground Control points Location and Distribution on Geometric Correction Accuracy of Remote Sensing Satellite Images~~	~~*Fawzy ELtohamy & Hamza (Esam Hassan Hamza)*~~
IMGP-117	Classification of clouds with object oriented technique	*Azari & al. (Alireza Shakiba)*
IMGP-118	Analyzing the Directional Relationships between Two Objects with Complex Shapes by Geo-info Graph Spectrum	*Duan & al. (Minyan Duan)*
IMGP-164	Accuracy of 3D face recognition frameworks	*Caprioli & al. (Mauro Caprioli)*
IMGP-187	Assessment of biophysical structure of riparian zones based on segmentation method, spatial knowledge and texture analysis	*Alencar-Silva & Maillard (Thiago Alencar-Silva)*
IMGP-256	Automatic Mosaicing Method for Large Block of Orthoimages	*Ai & al. (Haibin Ai)*
IMGP-273	Automatic Building Extraction from High Resolution Images Using Active Contours and Shape Prior Knowledge	*Yari & al. (Salman Ahmadi)*
IMGP-300	Swarm like autonomous agents for seed regions growing segmentation of digital image	*Samadzadegan & al. (Nima Zarrinpanjeh)*
IMGP-313	The use of similarity images on multi-sensor automatic image registration	*Gonçalves & al. (Hernâni Gonçalves)*
IMGP-316	A Global Precedent Approach for Road Extraction from High Resolution Imagery	*Ma & Chen (Jun Chen)*
IMGP-317	Object-oriented methods for landslides detection using high resolution imagery, morphometric properties and meteorological data	*Sandric & al. (Ionut Sandric)*
IMGP-337	Free to Geo Stereo Mosaic Image Generation Using Video Imagery	*Noh (Myung Jong Noh)*
IMGP-389	The theory of computer geography	*Nabiyev (Alpasha Alibek Nabiyev)*
IMGP-404	Production of true orthophotos in practice and various application possibilities	*Novak & al. (Jens Schickor)*

	Land cover classification	
LCOV-037	High Resolution Imagery Retrieval on the Basis of Sketch-Modelling	*Kovalevskaya & Boenko (Nelley M. Kovalevskaya)*
LCOV-039	Farmland parcels extraction based on high resolution remote sensing images	*Hu (Tangao Hu)*
LCOV-086	A supervised spectral substratum classifier to classify images with fuzzy memberships	*Sha & Xie (Yichun Xie)*
LCOV-088	Land cover classification in Albania	*Nikolli (Pal Nikolli)*
LCOV-120	An assessment of the efficiency of LANDSAT, NIGERIASAT-1 and SPOT images for landuse/landcover analyses in Ekiti west area of Nigeria	*Ojo & Adesina (Adebayo Gbenga Ojo)*
LCOV-156	Land use classification with high resolution satellite radar for estimating the impacts of land use change on the quality of ecosystem services	*Bargiel & al. (Damian Bargiel)*
LCOV-169	Land Cover Remote Sensing Imagery Web Retrieval in Chinese Second Round of National Land Use Inventory Program	*Ning & Zhang (Xiaogang Ning)*
LCOV-192	Targeted Classification of Remote-Sensing Images	*Fernàndez-Prieto & Marconcini (Diego Fernàndez-Prieto)*
LCOV-205	Agricultural land use mapping using very high resolution satellite images in Canary Islands	*Labrador Garcia & al. (Mauricio Labrador Garcia)*
LCOV-207	Mapping wetland environments in the Brazilian savannah from high resolution Ikonos image data	*Barbosa & Maillard (Ivan Barbosa)*
LCOV-212	Comparing information derived from Global land cover datasets with Landsat imagery for the Huambo province and Guinea-Bissau	*Cabral & al. (Ana Cabral)*
~~LCOV-225~~	~~Land use classification with high resolution satellite radar for estimating the impacts of land use change on the quality of ecosystem services~~	~~*Bargiel & al. (Damian Bargiel)*~~
~~LCOV-233~~	~~WinGIS - GIS software for ICT developers~~	~~*Aigner & Mayer (Walter Mayer)*~~
LCOV-244	Accuracy assessment of GlobCover, global land cover and CORINE in the Iberian penninsula	*Pérez-Hoyos & García (Javier García)*
LCOV-288	Radar Remote Sensing for Tropical Rainforest Assessment	*Becek (Kazimierz Becek)*
LCOV-329	GPS satellite monitoring of spatial and seasonal landscape use by black bears in New Jersey Bearfort mountains	*Skirta & al. (Eugenia Skirta)*
LCOV-332	Monitoring Rice Crop Varieties through Remote Sensing techniques	*Abkar & al. (Ali Abkar)*
LCOV-342	Evaluation of time series of MODIS data for transitional land mapping in support of bioenergy policy development	*Zhou & al. (Fuqun Zhou)*
LCOV-353	Logic based object oriented land cover classification- A case study of central Nepal	*Gilani & al. (Hammad Gilani)*
LCOV-363	Comparative Study of Entropy Measures for Accuracy Assessment of Sup-pixel Classification of Satellite Data	*GHOSH & Mukherjee (JAYANTA KUMAR GHOSH)*
LCOV-379	Application of KOMPSAT II imagery for carbon emission	*Chang & al. (Eunmi Chang)*
~~LCOV-382~~	~~Enhancing urban digital elevation models using automated comptuer vision techniques~~	~~*Sirmacek & al. (Beril Sirmacek)*~~

			Multi-spectral and hyperspectral remote sensing	
		MSHY-126	Spectral unmixing of hyperspectral and multispectral remote sensing images for predictive mapping of surface soil organic matter	*Kefale Alemie (Berhanu Kefale Alemie)*
		MSHY-128	Extracting olivine-rich portions of ultramafic rocks using ASTER TIR data	*Gürcay (O. Bora Gürcay)*
		MSHY-129	Validation of a semi-automatic classification approach for urban green structure	*Trier & Lieng (Øivind Due Trier)*
		MSHY-147	The advantages of boresight effects on the hyperspectral data analysis	*Brook & Ben-Dor (Anna Brook)*
		MSHY-153	Spectral reflectance of rice canopy and red edge position (REP) as indicator of high-yielding variety	*Abbasi & al. (Mozhgan Abbasi)*
		MSHY-162	Study of nature, origin, movement and extension of sand dunes by using sedimentological aspects and remote sensing techniques in Baiji area, North Iraq	*Kadim & al. (Amera I. Hussain)*
		MSHY-177	Hyperspectral evaluation of the pear trees on the basis of the genetic collection of the different species	*Tamas & Szabó (Janos Tamas)*
		MSHY-184	Multiresolution image fusion: Phase congruency for spatial consistency assessment	*Makarau & al. (Aliaksei Makarau)*
		MSHY-260	Application of high resolution satellite imagery to assess storm tide-related flooding	*Chaouch & al. (Naira Chaouch)*
		MSHY-265	Rangeland ecological site classification from Hyperion and Landsat imagery using tuned matched filtering and neural networks	*Blanco & al. (Paula Daniela Blanco)*
		MSHY-281	Lithological mapping of the Sarduiyeh Area, SE Iranian Copper Belt, using thermal bands of the ASTER	*Hosseinjani & Hashemi Tangestani (Mahdieh Hosseinjani)*
		MSHY-282	The Multi-sensor Land Classification System LCS: automatic multitemporal land use classification system for multi-resolution data	*Beccati & al. (Alan Beccati)*
		~~MSHY-286~~	~~Classification of Hyperspectral Images using Adaptive Wavelet Neural Networks~~	~~*Hsu (Pai-Hui Hsu)*~~
		MSHY-296	Tropical Biodiversity Mapping from Hyperion Image in Bogor Indonesia	*Wijanarto & Amhar (Antonius Wijanarto)*
		MSHY-312	A comparison of total shortwave surface albedo retrievals from MODIS and TM data	*Pape & Vohland (Michael Vohland)*
		MSHY-320	Remote Sensing for Drought Assessment in Arid Regions (A Case Study of Central Part of Iran, Shirkooh-Yazd") "	*Ebrahimi & al. (Ali Akbar Matkan)*
		MSHY-341	Airborne Hyperspectral Image Geo-referencing aided by High-Resolution Satellite Images	*Grejner-Brzezinska & al. (Dorota Grejner-Brzezinska)*
		MSHY-354	Multiple scattering simulations for remote sensing of aerosol events	*Mukai & al. (Sonoyo Mukai)*
		MSHY-369	Enhancing Urban Digital Elevation Models Using Automated Computer Vision Techniques	*Sirmacek & al. (Beril Sirmacek)*
		MSHY-381	Water column characterization on base of HyMap airborne and RAMSES underwater spectroradiometer data of an artificial surface in Lake Starnberg	*Schneider & al. (Thomas Schneider)*
		MSHY-383	Intercalibration of infrared window channels of polar-orbiting FY-3A instrument with AIRS/Aqua data	*Jiang (Geng-Ming Jiang)*
		MSHY-391	Detecting Human-induced Scene Changes Using Coherent Change Detection in SAR Images	*Milisavljevic & al. (Damien Closson)*
		MSHY-401	Evaluating the Capability of SPOT5 Data TO Monitor Pollarding Forest Areas of Northern Zagros	*Bozorgnia & Oladi (Jafar Oladi)*
			Operational remote sensing programs	
		OPRS-059	CANASAT project: monitoring the sugarcane harvest type in the state of São Paulo, Brazil	*Aguiar & al. (Daniel Alves de Aguiar)*
		~~OPRS-060~~	~~Online Monitoring of Corridor-Based Infrastructure~~	~~*Ahmadi Foroushani (Mansour Ahmadi Foroushani)*~~
		OPRS-061	Canasat project: monitoring of the sugarcane cultivation area in south central Brazil	*Silva & al. (Wagner Fernando da Silva)*
		OPRS-238	SATChMo - Seasonal and Annual Change Monitoring.	*Aleksandrowicz & al. (Sebastian Aleksandrowicz)*
		OPRS-365	Near realtime UAV-based processing to support disaster monitor	*Lu & al. (Lei Lu)*
			Physical modeling and signatures	
		PHYS-062	Surface temperature estimation using artificial neural network	*Veronez (Maurício Roberto Veronez)*
		PHYS-179	A gliding window approach for the regularization of the ill-posed inverse problem	*Atzberger & Richter (Katja Richter)*
		PHYS-328	Mountains' Peaks Parameterisation and Determination	*Podobnikar (Tomaž Podobnikar)*
15:30 - 16:00	El Aula	Coffee Break		

16:00 - 17:45	EI 7, EI 8, EI 9	**ORAL SESSION 5.1 - 5.3**		
		EI 7 Operational Remote Sensing Applications Chair: Johannes Schmetz, Co-Chair: Michael Franzen	EI 8 Image Processing and Pattern Recognition 1 Chair: Jixian Zhang, Co-Chair: Qiming Zhou	EI 9 Physical Modeling and Signatures Chair: Michael Schaepman, Co-Chair: Shunling Liang
16:00 - 16:15		Geoland2 - Towards an operational GMES Land Monitoring Core Service; First Results of the Biogeophysical Parameter Core Mapping Service *(Lacaze & al.;* ***Roselyne Lacaze****)*	Evaluation of spectral and texture features for object-based vegetation species classification using support vector machines *(Li & al.;* ***Zhengrong Li****)*	An overview of two decades of systematic evaluations of canopy radiative transfer models *(****Jean-Luc Widlowski****)*
16:15 - 16:30		PROVIDING processing lines and test data for the GMES Land Monitoring Core Service *(Pacholczyk & al.;* ***Philippe Pacholczyk****)*	Structural high-resolution satellite image indexing *(Xia & al.;* ***Gui-Song Xia****)*	The sensitivity of multifrequency (X, C and L-band) radar backscatter signatures to biological variables over corn and soybean fields (Jiao & al.; **Xianfeng Jiao**)
16:30 - 16:45		Operational soil moisture from SAR systems: towards SENTINEL-1 *(Doubkova & al.;* ***Marcela Doubkova****)*	Theoretical frameworks of remote sensing systems based on compressive sensing *(Liu & al.;* ***Jiying Liu****)*	Application of photon recollision probability based forest reflectance model for boreal forest LAI retrieval *(Heiskanen & al.;* ***Janne Heiskanen****)*
16:45 - 17:00		Study on user requirements for remote sensing applications in forestry *(Felbermeier & al.;* ***Bernhard Felbermeier****)*	Urban Road Tracking by Fusion of SVDD and Region Adjacency Graphs from VHR imagery *(Liu & al.;* ***Zhengjun Liu****)*	Analysis of BRDF characteristics of forest stands with a digital aerial frame camera *(Koukal & Schneider;* ***Tatjana Koukal****)*
17:00 - 17:15		Analysis of RapidEye imagery for annual landcover mapping as an aid to European Union (EU) Common Agricultural Policy *(Tapsall & al.;* ***Kadim Tasdemir****)*	Aerial photo building classification by stacking appearance and elevation measurements *(Nguyen & al.;* ***Stefan Kluckner****)*	Small Scale Surface Roughness Effects on Longwave Thermal IR Spectra *(Balick & al.;* ***Lee Balick****)*
17:15 - 17:30		Overview of the Chinese project on “generation and application of global products of essential land variables” *(Liang & al.;* ***Shunlin Liang****)*	A review on image segmentation techniques with remote sensing perspective *(Dey & al.;* ***Vivek Dey****)*	Validation of the reflectance calibration of the ADS40 airborne sensor using ground reflectance measurements *(Beisl & Adiguezel;* ***Ulrich Beisl****)*
17:30 - 17:45		Discussion	Discussion	Discussion
18:30 - 21:30	Prater	Conference Dinner (Schweizerhaus)		
21:00 - 23:30	Prater	Ferris Wheel (Riesenrad)		

WEDNESDAY, 7 July 2010

08:00 - 13:30	EI Aula	**Registration**		
08:30 - 10:15	EI 7, EI 8, EI 9	**ORAL SESSION 6.1 - 6.3**		
		EI 7 Earth Observation Programmes Chair: Paul Menzel, Co-Chair: Paul Snoeij	EI 8 Image Processing and Pattern Recognition 2 Chair: Wolfgang Förstner, Co-Chair: Josef Jansa	EI 9 Geometric Modeling Chair: Norbert Pfeifer, Co-Chair: Franz Leberl
08:30 - 08:45		Observing Weather and Climate with the Himawari Series Satellites *(Kurino & Tahara;* ***Toshiyuki Kurino****)*	Real-Time Image Processing for Road Traffic Data Extraction from Aerial Images *(Rosenbaum & al.;* ***Dominik Rosenbaum****)*	Exterior orientation of line-array CCD images based on quaternion spherical linear interpolation *(Jiang & al.;* ***Gangwu Jiang****)*
08:45 - 09:00		The Utilisation of EUMETSAT Meteorological Satellites *(Schmetz & al.;* ***Johannes Schmetz****)*	Multistage algorithm for lossless compression of multispectral remote sensing images *(****Alexander Zamyatin****)*	Comparison of Error Propagation in Block Orientation: An Analytical Approach *(Cothren & Schaffrin;* ***Jackson Cothren****)*
09:00 - 09:15		Prospective Space Missions with L-Band Microwave Radiometric Systems *(Tishchenko & al.;* ***Yuriy Tishchenko****)*	A New Strategy for DSM Generation from High Resolution Stereo Satellite Images Based on Control Network Interest Matching *(Xiong & Zhang;* ***Yun Zhang****)*	DEM generation with Radarsat-2 ultra-fine mode data using RFM *(Toutin & Omari;* ***Thierry Toutin****)*
09:15 - 09:30		PLEIADES-HR Inaging system: ground processing and products performances, few months before launch *(Baillarin & al.;* ***Simon Baillarin****)*	Semi-automatic assessment of Norway spruce (Picea abies) in modern digital aerial photographs *(Seitz & al.;* ***Rudolf Seitz****)*	Towards Fully Automatic Photogrammetric Reconstruction Using Digital Images Taken From UAVs *(Irschara & al.;* ***Arnold Irschara****)*
09:30 - 09:45		Sentinel-1 Performance *(Snoeij & al.;* ***Paul Snoeij****)*	Multitemporal fuzzy Markov chain-based classification of very high resolution images of an urban site *(Costa & al.;* ***Gilson A O P Costa****)*	Describing Buildings by 3-Dimensional Details Found in Aerial Photography *(Meixner & Leberl;* ***Philipp Meixner****)*
09:45 - 10:00		EgyptSat-1; Three Years in Orbit: Experience in Operation and Utilization *(****Mohamed Argoun****)*	Change analysis with TERRASAR-X data *(Weihing & al.;* ***Diana Weihing****)*	A Dimension Independent Geometric Model for City Modeling *(Bulbul & Frank;* ***Andrew Frank****)*
10:00 - 10:15		Discussion	Discussion	Discussion
10:15 - 10:45	EI Aula	Coffee Break		
10:45 - 12:30	EI 7	**CLOSING SESSION**		
10:45 - 11:15		Generating 1km Land Surface Radiation product suite from MODIS: Algorithms and validation *(****Shunlin Liang****)*		
11:15 - 11:45		Persistent Scatterer Interferometry based on TerraSAR-X imagery: the Barcelona test area *(Crosetto & al.;* ***Michele Crosetto****)*		
11:45 - 12:15		Analysis of full-waveform ALS data by simultaniously acquired TLS data: Towards an advanced DTM generation in wooded areas *(Doneus & al.;* ***Michael Doneus****)*		
12:15 - 12:20		Outlook to ISPRS Congress 2012 *(****Cliff Ogleby****)*		
12:20 - 12:30		Closing of Symposium *(****Wolfgang Wagner****)*		
13:30 - 16:00	EI 8	TC VII Board Meeting		

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Elektrotechnisches Institut (EI)
Gusshausstrasse 27-29
(48°11'47"N 16°22'11"E)

GROUND FLOOR:
Registration at Entrance
Lecture Hall E7, E8, E9
Exhibition Area
Service Point with Cloakroom
Internet Centre on Gallery above Aula
Welcome Party in the Courtyard

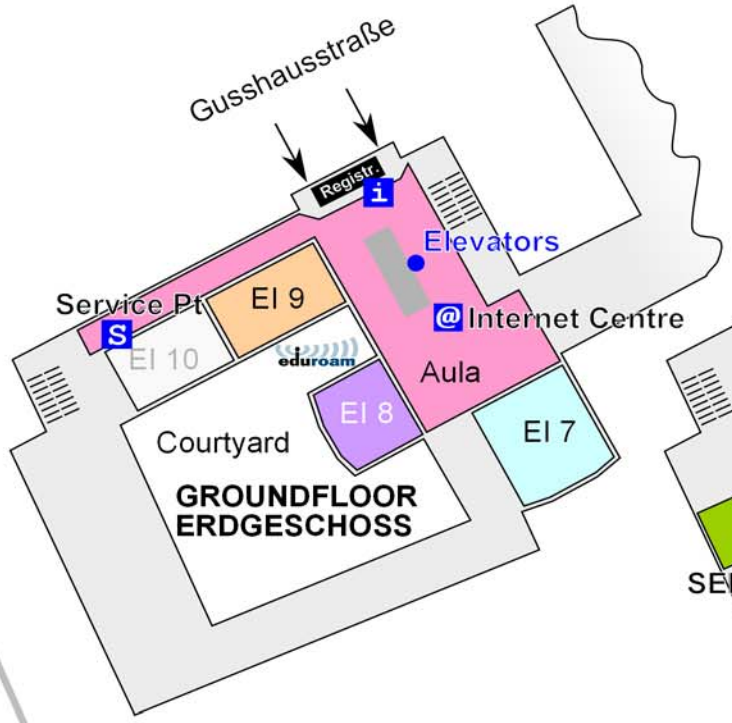
3rd FLOOR:
Tutorials, various ISPRS Meetings

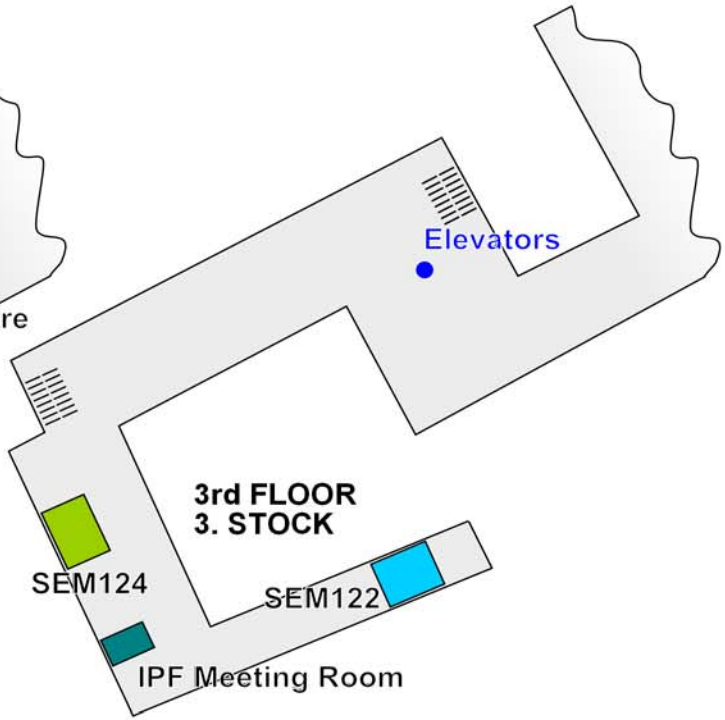
Main Building / Hauptgebäude
Karlsplatz 12
(48°11'56"N 16°22'12"E)

GROUND FLOOR:
Registration on 4 July
Poster Area
Ice Breaker Parties
Commemoration Plaque

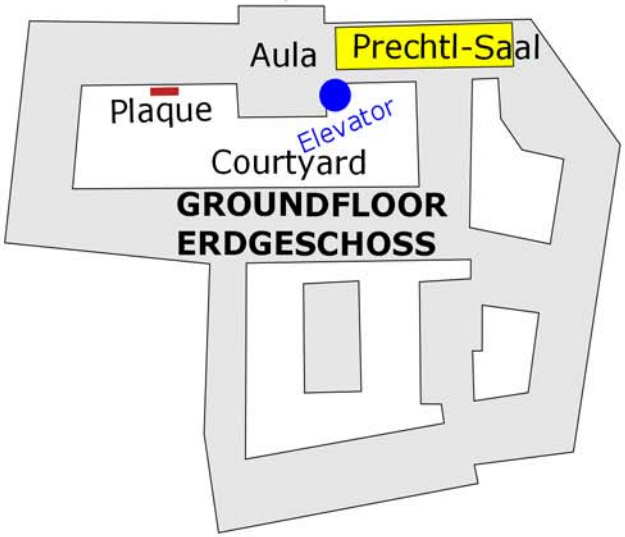
1st FLOOR:
Centenary General Assembly

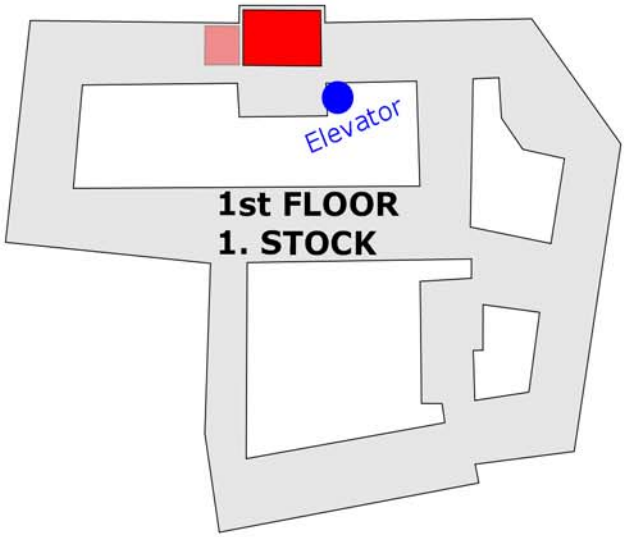
4th FLOOR
Afternoon Lectures

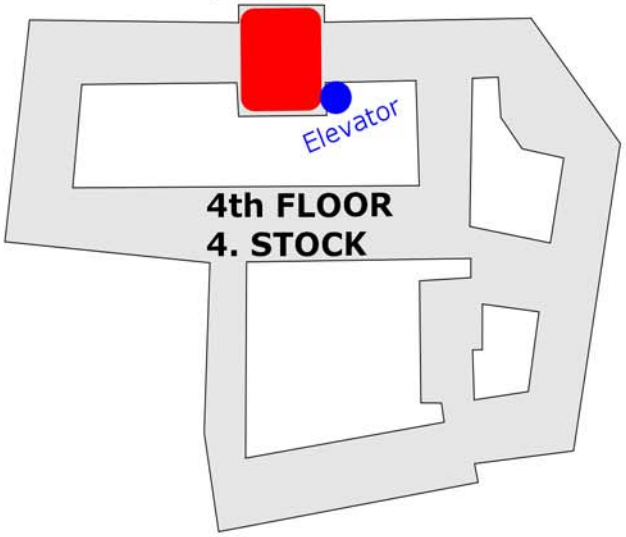




Karlsplatz (Park; from U1, U2, U4))







ISPRS Centenary Celebrations - Schedule Overview

June July 2010	07:00-08:00	08:00-09:00	09:00-10:00	10:00-11:00	11:00-12:00	12:00-13:00	13:00-14:00 1:00-2:00 pm	14:00-15:00 2:00-3:00 pm	15:00-16:00 3:00-4:00 pm	16:00-17:00 4:00-5:00 pm	17:00-18:00 5:00-6:00 pm	18:00-19:00 6:00-7:00 pm	19:00-20:00 7:00-8:00 pm	20-21 8 - 9	21-22 9 - 10	22-23 10 - 11	23-24 11 - 12
30 Wed (3 L T)						Registration [EI Aula]			Tutorium: FWFLaser Scanning [SEM122] Tutorium LBS abgesagt			Welcome Party [EI Innenhof]					
1 Thu		Registration [EI Aula]		Firmenausstellung [EI Aula]													
			Eröffnung [EI 7]	Kaffee [Aula]	Session 1.1 [EI 7] Session 1.2 [EI 8] Session 1.3 [EI 9]	Mittagspause		Session 2.1 [EI 7] Session 2.2 [EI 8] Session 2.3 [EI 9]	Kaffee [Aula]	Session 3.1 [EI 7] Session 3.2 [EI 8] Session 3.3 [EI 9]		DGPF Mitgl.Versammlung [EI 7]	Ice Breaker Party [Hauptgebäude Hof 1, Aula, Prechtl-Saal]				
										Poster Session [Prechtl-Saal]							
2 Fri (ISPRS 100)		Registration [EI Aula]															
			Firmenausstellung [EI Aula]														
			Session 4.1 [EI 7] Session 4.2 [EI 8] Session 4.3 [EI 9]	Kaffee [Aula]	Session 5.1 [EI 7] Session 5.2 [EI 8] Session 5 [EI 9]	Mittagspause		Session 6.1 [EI 7] Session 6.2 [EI 8] Session 6.3 [EI 9]	Kaffee [Aula]	Abschluss-Session [EI 7]			Donauschifffahrt				
				UN-OOSA [*] Booklet Launch	UN-OOSA [*] Press Conf.		Council M. [SEM122 *]										
3 Sat				Exkursion Stephansdom													
				GA Registration [EI Aula *]		Registration [EI Aula]											
							Open Business Meeting [EI 7]						Visit to Dolezal's Grave [Couch departs from EI *]				
				Afric.Reg.C.	ISPRS-EuroSDR [SEM122												
4 Sun			Registration f. Afternoon Lect. and TC VII [Main Building Aula]														
			GA Registr. [Festsaal Anteroom *]		Centenary GA [Festsaal *]	Buffet [Prechtl *]		Afternoon Lectures [Kuppel-Saal]					Gala Dinner [Town Hall]				
						Unveiling Commemoration Plaque [Main Building Courtyard]											
5 Mon (TC VII)		Registration [EI Aula]															
			Opening Session [EI 7]	Coffee [Aula]	Oral Session 1.1 [EI 7] Oral Session 1.2 [EI 8] Oral Session 1.3 [EI 9]	Lunch Break		Oral Session 2.1 [EI 7] Oral Session 2.2 [EI 8] Oral Session 2.3 [EI 9]	Coffee [Aula]	Poster Session [Prechtl-Saal]		Ice Breaker Party [Main Building Courtyard, Aula and Prechtl-Saal]					
					Council M. [SEM122 *]			ISPRS Foundation Board M. [IPF Meeting R. *]									
6 Tue		Registration [EI Aula]															
			Oral Session 3.1 [EI 7] Oral Session 3.2 [EI 8] Oral Session 3.3 [EI 9]	Coffee [Aula]	Oral Session 4.1 [EI 7] Oral Session 4.2 [EI 8] Oral Session 4.3 [EI 9]	Lunch Break		Poster Session [Prechtl-Saal]	Coffee [Aula]	Oral Session 5.1 [EI 7] Oral Session 5.2 [EI 8] Oral Session 5.3 [EI 9]			Conference Dinner [Schweizerhaus - Prater]				
															Ferris Wheel [Prater]		
7 Wed		Registration [EI Aula]															
			Oral Session 6.1 [EI 7] Oral Session 6.2 [EI 8] Oral Session 6.3 [EI 9]	Coffee [Aula]	Closing Session [EI 7]			TC VII Board Meeting [EI 8 *]									

Legend: [*] ... Attendance by invitation only

Colour code:

- Lecture Hall EI 7, EI, Gusshausstrasse 27-29, Ground floor
- Lecture Hall EI 8, EI, Gusshausstrasse 27-29, Ground floor
- Lecture Hall EI 9, EI, Gusshausstrasse 27-29, Ground floor
- Seminar Room 122, EI, Gusshausstrasse 27-29, 3rd floor
- Prechtl-Saal, Main Building, Karlsplatz 13, Ground floor
- Festsaal and Kuppelsaal, Main Building, Karlsplatz 13, 1st floor and 4th floor
- Courtyard, Main Building
- Seminar Room 124, EI, Gusshausstrasse 27-29, 3rd floor
- Meeting Room of IPF, EI, Gusshausstr. 27-29, 3rd floor
- Registration in Aula of EI or Aula of Main Building
- Exhibition, Aula of EI, Gusshausstrasse 27-29, Ground floor
- Exkursion/Technical Tour, Stephansdom
- Social Events, various places
- United Nations - Vienna International Centre
- Coffee breaks [EI Aula], Lunch breaks, Buffet Lunch [Prechtl-Saal]

- **3 L T** — Drei-Länder-Tagung: [30. Juni], 1.-3. Juli, Registrierung: 30. Juni, 1. und 2. Juli
- **ISPRS100** — ISPRS Centenary Celebration: [2 and 3 July], 4 July, Registration: 30 June, 1 to 4 July
- **TC VII** — ISPRS Technical Commission VII Symposium: 5 to 7 July, Registration: 30 June, 1 to 7 July

Lokales Organisationskomitee / Local Organizing Committee:
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Wolfgang Wagner
Wolfgang Gold
Josef Jansa
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Karl Haussteiner
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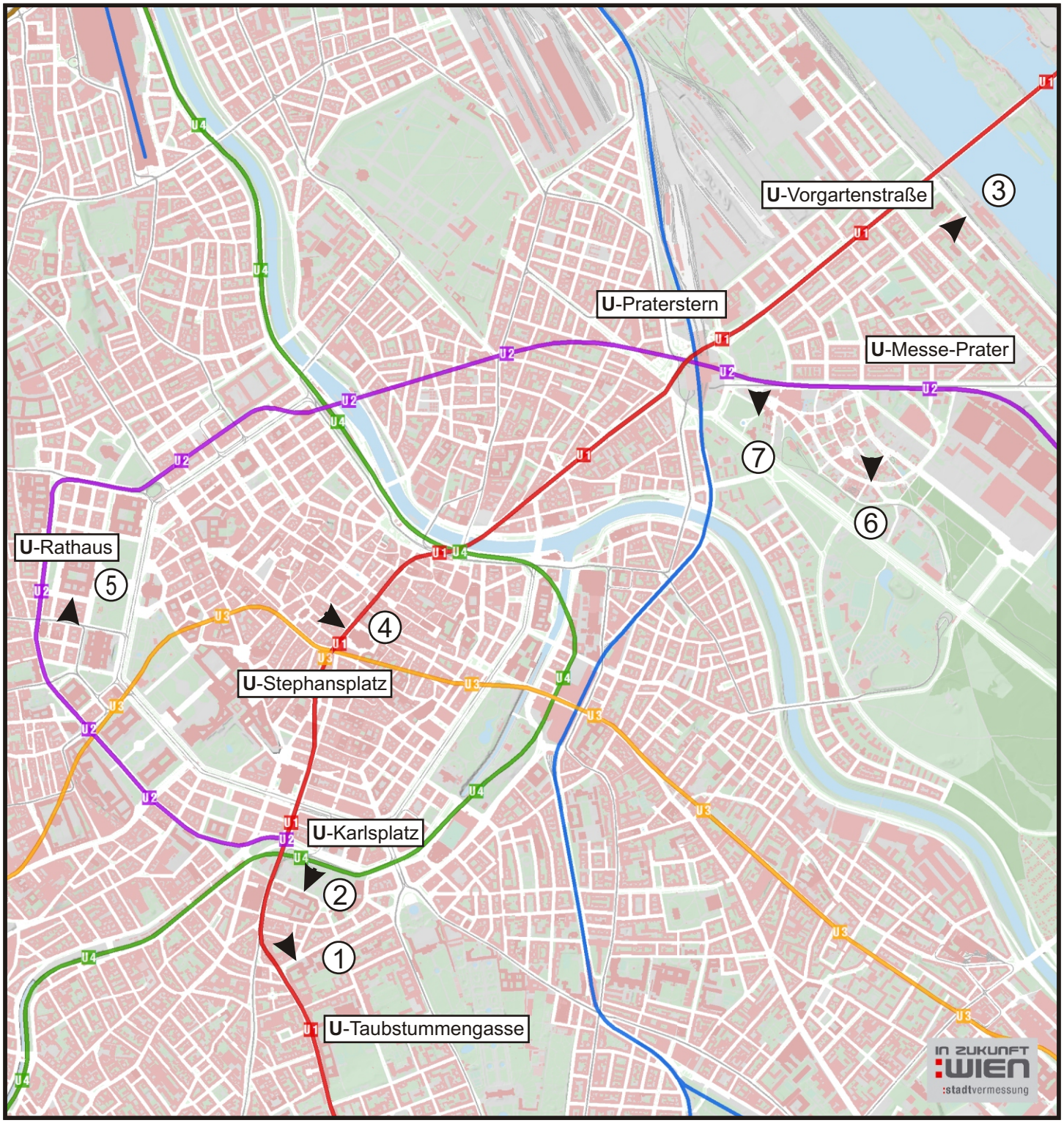
A-1020 Vienna, Austria
e-mail: office@ovg.at

Venue Locations - Veranstaltungsorte



3-Ländertagung

1: Registrierung, Tutorien und Fachvorträge

2: Postersession, Ice-Breaker

3: Donauschiffahrt

4: Exkursion Stephansdom

Centenary Celebrations

1: Registration (July 1-3 and July 5-7)

2: Registration (July 4) Centenary General Ass., Afternoon Lectures

5: Gala Dinner

Symposium TC VII

1: Registration, Technical Sessions

2: Postersession, Ice-Breaker

6: Schweizerhaus

7: Riesenrad