

QuickBird Satellite Image of the Forbidden City (Acquired Time: February 2007)

Conference Venue & Accommodation

The organizer of ICRSA4 has negotiated a preferential rate for the rooms in Beijing Friendship Hotel, the venue of ICRSA4, which is located in No.1 Zhongguancun South St., Haidian District, Beijing.

For more information, please see <http://www.icrsa4.org/dct/page/65587>.



1st Announcement

4th International Conference on Remote Sensing in Archaeology



For more information, please contact:

ICRSA4 Secretariat

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Website: <http://www.icrsa4.org>

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Address: No.9 Dengzhuang South Road

Haidian District, Beijing 100094, China

New Era of Earth Observation on Natural and Cultural Heritage

www.ICRSA4.org



Welcome

UNESCO will co-organize the 4th International Conference on Remote Sensing in Archaeology (ICRSA4) with the Chinese Academy of Sciences (CAS) in Beijing on 24-26 October 2012. I am very pleased to see that this is being carried out within the framework of the joint category 2 center established by UNESCO and CAS—the International Centre on Space Technologies for Natural and Cultural Heritage (HIST)—in collaboration with the CAS Centre for Earth Observation and Digital Earth.

UNESCO attaches great importance to the use of space technologies for natural and cultural heritage. As early as 2001, UNESCO and the European Space Agency initiated the Open Initiative on the Use of Space Technologies to Support the World Heritage Convention and set up a large network of UNESCO space partners. In 2011, UNESCO worked together with CAS and jointly established HIST. The aim of these efforts is to assist developing countries in managing and protecting their natural and cultural heritage through the benefits of space technologies. The objective is to use space technologies to monitor heritage sites and allow local authorities to identify potential threats, such as land use changes or natural disasters, giving them time to implement mitigation strategies.

ICRSA4, with the theme "A New Era of Earth Observation for Natural and Cultural Heritage", will focus on cutting-edge space technologies for monitoring, documenting, and preserving world heritage. It will provide experts, policy-makers, administrators and students from around the world an opportunity to exchange ideas and experiences in the field of conservation and management of natural and cultural heritage.

I sincerely look forward to a very successful ICRSA4 this year in Beijing.

Gretchen Kalonji
Assistant Director-General for Natural Sciences
UNESCO



I am pleased to announce that the 4th International Conference on Remote Sensing in Archaeology (ICRSA4) will be held in Beijing from October 24th to 26th, 2012. The Conference is co-organized by Chinese Academy of Sciences and UNESCO, and hosted by the International Centre on Space Technologies for Natural and Cultural Heritage (HIST), a centre under the auspices of UNESCO, and the Center for Earth Observation and Digital Earth (CEODE), CAS.

This year's event is one in a series of conferences. The 1st International Conference on Remote Sensing in Archaeology was organized by the Chinese Academy of Sciences in Beijing and hosted by the Joint Laboratory of Remote Sensing Archaeology (JLSRA) in October 2004. In that context an international team of experts was created in order to promote multidisciplinary activities in remote sensing archaeology around the world. In December 2006, the 2nd International Conference was held in Rome, Italy. In August 2009 the 3rd International Conference was held in Tiruchirappalli, India.

The theme of the 4th Conference is "New Era of Earth Observation on Natural and Cultural Heritage". We plan to take this conference into new territory with a focus on world heritage and cutting-edge space technologies for monitoring, documenting, and preserving world heritage. Advances in sensor systems, data availability, social technology, and other innovations have matured and converged to make 2012 a particularly exciting time in this field. There has never been greater potential for conducting productive, beneficial scientific research and developing highly-engaging promotion and education programmes. It is a valuable opportunity to advance the field internationally.

On behalf of the hosts, it's my privilege to warmly welcome all the experts, policy-makers, administrators and students from around the world who are engaged in the conservation of heritage by using space technologies to join us in Beijing for a memorable occasion.

GUO Huadong
Chairman of the Conference
Director of HIST & CEODE



Co-organized by



Chinese Academy of Sciences (CAS)



United Nations Educational, Scientific and Cultural Organization (UNESCO)

Co-hosted by



International Centre on Space Technologies for Natural and Cultural Heritage (HISTS) under the Auspices of UNESCO



Center for Earth Observation and Digital Earth (CEODE) of the Chinese Academy of Sciences

Call for Papers

Theme: **New Era of Earth Observation on Natural and Cultural Heritage**

Topics of Interest include, but are not limited to:

All participants who are interested or working in the field of earth observation on natural and cultural heritage are strongly encouraged to submit a research paper and develop proposals for an oral presentation. The abstracts will be evaluated for consideration for presentation in the specified sessions- either as an oral presentation or as a poster paper. The instructions on abstract submissions for authors will be provided online. The conference proceedings will be published and available at the conference.

Earth Observation Theory, Mechanism and Technology	Earth Observation for Natural Heritage
<ul style="list-style-type: none">Space-based Observation and Scientific Cognition for Heritage SitesNew Sensors and PlatformsMicrowave Earth ObservationOptical Earth ObservationLaser Earth ObservationNew Technologies for Acquiring Spatial DataImage Processing and Information Extraction TechnologiesImagery and Environment Database of Heritage SitesDigital Reconstruction and Expression of HeritagePaleo-environments and Paleo-geography Reconstruction of Heritage SitesOthers	<ul style="list-style-type: none">Earth Observation on the Factors and Features of Natural Heritage SitesLandscape Analysis for Natural HeritageDynamic Space-based Observation Methods for Natural HeritageDigital Conservation/Documentation for Natural HeritageOthers
Spatial Information Technologies for Evaluation and Management of Heritage Sites	Earth Observation for Cultural Heritage
<ul style="list-style-type: none">Impact of Climate Change on Natural and Cultural HeritageImpact of Natural Disaster on Natural and Cultural HeritageOUV-AI Evaluation for Natural and Cultural HeritageSpace Technology for World Heritage NominationInformation Sharing and Management of World HeritageInformation Technology and Heritage Site TourismProspects for Education with Digital HeritageOthers	<ul style="list-style-type: none">Earth Observation on the Factors and Features of Cultural HeritageDigital Recording/Documentation for Cultural HeritageLandscape Analysis for Cultural HeritageDynamic Space-based Observation Methods for Cultural HeritageOthers

Conference Agenda (tentative)

Date: 24-26 October, 2012

	Time	Program
Oct.23	09:00-17:00	Registration
	09:00-10:00	Opening Ceremony
	10:00-10:15	Coffee Break
Oct.24	10:15-12:00	Plenary I
	12:00-13:30	Lunch
	13:30-17:30	Plenary II
	18:00	Welcome Banquet
	08:30-12:00	Presentation Sessions
	12:00-13:30	Lunch
Oct.25	13:30-17:30	Presentation Sessions
	18:00	Dinner
	08:30-12:00	Presentation Sessions
Oct.26	12:00-13:30	Lunch
	13:30-17:00	Plenary III
	17:00-17:30	Closing Ceremony
	18:00	Dinner

Note: Those who are willing to participate in the post-conference tour may contact Mr. Martin Zhang by Email: z_ty728@yahoo.com.cn, Tel: +86-10-65660911, or Fax: +86-10-65666911.

Registration & Payment

Registration Type		Available	Deadline	Price	
				USD	CNY
Early Bird-Online		9 March	20 July	\$ 270.00	¥ 1700.00
Standard-Online		21 July	20 September	\$ 300.00	¥ 1900.00
Onsite		23 October		\$ 330.00	¥ 2100.00
Student	Standard-Online	9 March	20 September	\$ 150.00	¥ 950.00
	Onsite	23 October		\$ 200.00	¥ 1260.00

Registration fee includes the services as follows:

- ⦿ Participation to conference program
- ⦿ Conference Kit
- ⦿ Copy of the Proceedings
- ⦿ Coffee breaks, lunch and dinner
- ⦿ Students and booking will be made on first cum first basis.

Important Dates

February 2012	Call for Papers – abstracts
15 June 2012	Deadline for Submission of Abstracts
15 July 2012	Acceptance notification of the Abstracts
20 July 2012	Early Bird Registration Deadline
31 August 2012	Deadline for Submission of Full Paper
20 September 2012	Regular Registration Deadline
24-26 October 2012	ICRSA4

Language of the Conference: English

Invited Speakers



Guo Huadong

Center for Earth Observation and Digital Earth of the Chinese Academy of Sciences & International Centre on Space Technologies for Natural and Cultural Heritage under the auspices of UNESCO.



Armin Gruen

Institute of Conservation and Building Research, ETH-Hoenggerberg, Switzerland.



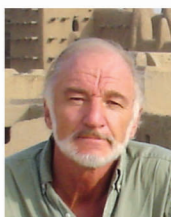
Benoît Sittler

Institute for Landscape Management, University of Freiburg, Germany.



Cliff Ogleby

University of Melbourne, Australia.



Heinz Ruther

University of Cape Town, South Africa.



Li Deren

Wuhan University, China.



Mario Hernandez

Program Specialist, UNESCO.



Maurizio Forte

University of California.