

**INTERNATIONAL GEOGRAPHICAL UNION (IGU) CONFERENCE  
ON  
GEOINFORMATICS FOR BIODIVERSITY AND CLIMATE CHANGE**

**MARCH 14-16, 2013**

**Organized by**



**Department of Geography International Geographical Union (IGU) Maharshi  
Dayanand University & Commission on Biogeography & Biodiversity Rohtak,  
Haryana, India Commission on LUCC**

**([www.mdurohtak.ac.in](http://www.mdurohtak.ac.in))([www.igu-online.org](http://www.igu-online.org))**

**Venue: Department of  
Geography  
Maharshi Dayanand University, Rohtak Haryana, India**

1. The last date for payment as per pre revised rate of registration fee was extended  
up to Feb. 15, 2013.

2. After Feb.15, 2013, Registration fee will be charged as under:

|                                 |            |
|---------------------------------|------------|
| 1). Indian Participants         | Rs. 1500/- |
| 2.) Research Scholars (Indians) | Rs. 1000/- |

3. Only those abstracts will be included in Souvenir for publication for which registration  
fee is received by the organizers by Feb.28, 2013

**ROHTAK : THE HOST CITY** Rohtak, pulsating with people and vitality, is a city with historical past, a vibrant present and a promising future. The city is about 75 Kms from National Capital Delhi on the Delhi-Hisar National Highway (NH-10), about 240 Kms from the state capital Chandigarh and 150 Kms from Kurukshetra (a famous ancient place in Haryana). Rohtak is well connected both by rail as well as road. The nearest Airport is at Delhi. With an Indian Institute of Management (IIM), Maharshi Dayanand University (MDU) and Pt. B. D. Sharma University of Health Sciences, the city has become an educational hub in the north-western part of India. The weather of Rohtak in March is celebratious and pleasant. It does not require any heavy woollens.

**ABOUT THE HOST ORGANIZATION** With an objective to promote inter-disciplinary higher education and research in the fields of environment, ecology and life sciences, Maharshi Dayanand University was established in 1976. It was named after 'Maharshi Dayanand', a great visionary and social reformer. The University Campus, spread over an area of 665 acres with magnificent landscape dotted with state-of-the art buildings which present a spectacle of harmony in architecture and natural beauty. With excellent infrastructure, university has earned a name for itself as a leading educational institution and is fast developing as an academic hub for traditional as well as professional courses. Presently, it offers education and research programmes through 38 Post Graduate Departments and Directorate of Distance Education (DDE) at its main campus at Rohtak. P.G. Regional Centre at Rewari, Institute of Law and Management Studies at Gurgaon and one offline campus centre are also important off campus centres of the university disseminating knowledge in various streams. About 692 colleges of general education, engineering, technology, computer science and management spread over 10 districts of Haryana are affiliated to this university.

The Department of Geography is one of the oldest departments of M.D. University Rohtak and was established in the year 1983. Over the years, the department has made rapid strides in academics and at present it has over 150 students distributed over several programmes such as M.A. Geography, M.Tech in Geoinformatics, M.Phil, Pre Ph.D course work and Ph.D. From session 2012-13, Department has introduced M.Sc in Geoinformatics as well as M.A. in Population Studies.

#### **ABOUT INTERNATIONAL GEOGRAPHICAL UNION (IGU)**

The International Geographical Union (IGU) is an international geographical society. The first International Geographical Congress was held in Antwerp in 1871. Subsequent meetings led to the establishment of the permanent organization in Brussels, Belgium, in 1922. The Union has 34 Commissions and four task forces. The commissions range from Applied Geography, Gender Geography, Marine Geography, Biogeography & Biodiversity, Land Use & Land Cover Change as well as Landscape Analysis and Water Sustainability. IGU adheres to the International

Council for Science (ICSU) and the International Social Science Council (ISSC), which it recognizes as coordinating bodies for the international organization of science. Besides promoting the study of geographical problems, IGU initiate and co-ordinate geographical research requiring international co-operation and to promote its scientific discussion by way of organizing regional/international meetings/seminars/conferences/symposia related to the objectives of the Union.

**LOCAL HOSPITALITY** Registered participants will be provided all hospitality during their stay at Rohtak during the

conference days. Accommodation for outstation participants will be arranged in the University Faculty House/hostels/Guest Houses on request and based on the availability. Those interested in accommodation in city hotels on actual payment basis should request for the same in advance. Delegates coming with members of family should request accommodation in the city hotels on payment basis. Participants should arrange for their travel from their own resources. However, the organizing committee may reimburse travel expanses for a limited number of participants from India, depending upon the availability of funds. Cultural programmes and sight-seeing tour (on demand) for participants are also planned to be arranged to nearby places.

**THRUST AREAS OF THE CONFERENCE** The over-exploitation of some of the important earth resources like land and water has led to a

number of environment related problems world over. At the same time, land use change supplemented by various human activities has led to extinction of many plant and animal habitats and species. In this context, the relevance of biodiversity for human survival is becoming a major international political issue as scientific evidence builds on the global health implications of biodiversity loss. This issue is closely linked with the issue of climate change, as many of the health risks due to climate change are associated with fast degradation in biodiversity. Holistic natural resource based spatio-temporal planning, development and management is essential to save the degraded ecosystem for sustainable resource management.

This International Conference aims to highlight the various environmental problems associated with development and changing climatic scenarios. The problem of climate change and ensuing transformations that are to manifest in various sectors of human life on the earth is an important area where the geoinformatics can play a vital role. Environmental perspectives and the scientific approaches including modern technologies are bringing spatial solutions to environmental and societal problems. Geoinformatics along with its accessories like Remote Sensing and GIS helps in assessing the results of various environmental problems both physical and social. This conference welcomes all geographers, scientists, hydrologists, academicians, researchers, technologists, environmentalists, engineers, planners, policy makers, social workers, research students and other interested professionals from geography and its allied fields to share their research experiences.

**FOCAL THEME GEOINFORMATICS FOR BIODIVERSITY AND CLIMATE CHANGE**

**SPECIAL SESSION ON Disaster Risk Reduction**

**SUB THEMES** Biogeography and Land Information System

Land Use Land Cover Change and Biodiversity Climate Change and  
Extremes Natural Resource Management Urban Health and Well-being  
Coastal Zone Management 'Population-Development-Environment' Interface  
Integration of Remote Sensing, GIS and GPS for Geospatial Applications

The academic session will consists of invited/plenary talk and contributed paper presentations  
**CALL FOR PAPERS** There shall be poster as well as oral presentation in the conference. Intending authors are

requested to submit their original research contribution in the form of abstract (not exceeding 500 words)by email to the Organizing Secretary on or before December, 31, 2012. The abstract of the paper should be typed with double space Times New Roman (12 Font Size) with title of the paper, name of the author(s), affiliation, email address besides the content. Author(s)will be informed by email about the acceptance of their abstracts by January, 10, 2013. Thereafter, the contributors are requested to send their full papers and registration fee by February, 01, 2013. Full paper in MS Word format should reach to the Organizing Secretary by e-mail attachment. Research scholars must send their abstract/full paper through HOD/Principal.The accepted papers will be published as full text in the conference proceedings.

**IMPORTANT DEADLINES** Submission of

Abstract: December 31, 2012

Intimation of Acceptance: January 10, 2013 Registration / Submission of Full Paper: February 01, 2013  
Conference Dates: March 14-16, 2013

## **REGISTRATION FEE (Per Participant per Paper/Poster)**

Registration fee for Indian Participants: Rs. 750-00 Registration fee for International Participants: USD. 150-00 Registration fee for Research Scholars (Indian): Rs. 500-00 Registration fee for Delegates from outside Academic Institutions: Rs. 2000-00

Registration is compulsory for all participants. The registration fee will be remitted by Demand Draft drawn in favour of “**IGU CONFERENCE ROHTAK - 2013**” payable at M.D.U. Rohtak 04734. Registration fee along with complete application form must reach to Dr.Mehtab Singh, Organizing Secretary, Dept. of Geography, M.D.University, Rohtak, Haryana, India by February 01, 2013. The application form can be downloaded from the website of the M.D.University, Rohtak ([www.mdurohtak.ac.in](http://www.mdurohtak.ac.in)). Alternatively the payment may be made by Electronic Fund Transfer to **IGU CONFERENCE ROHTAK-2013, Account No. 32438018720** with SBI, M.D.University Branch Rohtak, by **IFSC Code SBIN0004734**. You may also pay directly into A/C No. 32438018720 in the name of IGU CONFERENCE ROHTAK-2013 through cheque. Foreign delegates please contact Organizing Secretary for more details regarding the payment.

## **THE CONFERENCE ORGANIZATION**

### **Patron Prof. R.P.**

**Hooda,**

Vice-Chancellor, M.D.U. Rohtak

### **Convener**

**Prof. M.I.Hassan**, Head, Department of Geography,  
M.D.U. Rohtak

### **Organizing Secretary**

**Dr. Mehtab Singh** Department of Geography  
M.D.University, Rohtak - 124001, Haryana, India Mobile  
No. 09416306053 : (Office)01262393259 E-Mail:  
[iguconferencerohtak2013@gmail.com](mailto:iguconferencerohtak2013@gmail.com)  
: [iguconferencerohtak2013@yahoo.com](mailto:iguconferencerohtak2013@yahoo.com) Fax: 01262-274640

---

## **Executive Advisors**

**Ravinder Vinayak**, Dean Academic Affairs, M.D.U. **S.P.Vats**, Registrar, M.D.U. **Sunita Malhotra**, Dean, Faculty of Social Sci. M.D.U. **Rajbir Singh**, Dean Student Affairs, M.D.U. **S.P.Khatkar**, Dean, Faculty of Eng. & Tech. M.D.U. **Narender Garg**, Director, DDE, M.D.U. **S.K.Gakhar**, Dean, Faculty of Life Sciences, M.D.U. **Dilip Singh**, Director, IHTM, M.D.U. **Renu Chugh**, Head, Dept. of Mathematics, M.D.U. **K.K.Verma**, Director, Research, M.D.U.

## **Local Organizing Committee**

Convener **M.I.Hassan**, Prof. & Head, Dept. of Geography, M.D.U.

Organizing Secretary **Mehtab Singh**, Assoc. Prof. Dept. of Geography, M.D.U.

Co-Organizing Secretaries **Inderjeet Singh**, Assoc. Prof. Dept. of Geography, M.D.U. **Parmod Bhardwaj**, Assoc. Prof. Dept. of Geography, M.D.U.

Members **Nina Singh**, Prof. Dept. of Geography, M.D.U. **Binu Sangwan**, Assoc. Prof. Dept. of Geography, M.D.U. **S.K.Bansal**, Assoc. Prof. Dept. of Geography, M.D.U.

**Sachinder Singh**, Assoc. Prof. Dept. of Geography, M.D.U.

**K.V.Chamar**, Assoc. Prof. Dept. of Geography, M.D.U.

**R.S.Sangwan**, Assoc. Prof. Dept. of Geography, M.D.U. **Naresh**

**Malik**, Assoc. Prof. Dept. of Geography, M.D.U. **Renu Arya**,

Assoc. Prof. Dept. of Geography, M.D.U.

## **Advisory Committee**

R.S.Hooda, Chief Scientist, HARSAC, Hisar Rana P B Singh, Prof, Banaras Hindu University S. Sinha, Prof. CSRD, SSS, JNU, New Delhi. Bhoop Singh, Director, NRDMS, DST. N.Delhi K.P.Tripathi, Scientist, CSWCRTI, Dehradun S. D. Attri, Deputy Director General, IMD, N.Delhi N.C.Jana, Head, Dept. of Geog. Univ. of Burdwan Suresh Kumar, Scientist, IIRS, Dehradun K.N.Singh. Prof. of Geog. D.D.U. Gorakhpur Univ. R.P.Mishra, Prof. of Geog. H.S.Gour Univ. Sagar R.B.P.Singh, Head, Dept. of Geog, Patna University S.Maithani, Scientist, IIRS, Dehradun S.P.Kaushik, Chairman, Dept. of Geog, KUK. R.D.Garg, Scientist, IIT, Rurkee N. S. Gill, Prof. Dept. of Comp. Sci. M.D.U. Rohtak K.Mohan, Prof. of Geog. Punjab Univ. Chandigarh R.N.Mishra, Head, Dept. of Geog. Raj. Univ. Jaipur D.D.Sharma Prof. of Geography, H.P. Univ. Shimla G.K.Panda, Prof. of Geog, Utkal Univ. Bhubaneswar J.S.Laura, Head, Dept. of Env. Sci, M.D.U. Rohtak P. Ilangoan, Head, Dept. of Geog. Madurai Kamraj Univ. V.S.Manhas, Head, Dept. of Geog. Univ. of Jammu Jagbir Singh, Chairman, DCR Chair, DCRUST, Murthal Y.Singh, Head, Dept. of Geog. Punjabi Univ. Patiala Bimal.K.Kar. Dept. of Geography, Guwahati University S.Arun Das, Dept. of Geog. University of Mysore K.Markandey, Prof. of Geog. Osmania Univ. Hyderabad Suresh Malik, Prof. Dept. of Statistics. M.D.U. Rohtak Hukam Chand, Asso. Prof. Music Dept. M.D.U. Rohtak S.C.Rai. Asso. Prof. Dept. of Geog, Univ. of Delhi Bhagwan Singh Chaudhary, Dept of Geophysics, KUK M.A.Siddiqui, Prof. Geog. Jamia Millia Islamia, Delhi

**INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE OF THE CONFERENCE**

**R.B. Singh (India)**, Member IUGG-IGU Nat. Committee and Vice Chair of IGU Commission  
**Ronald F. Abler (USA)**, President, IGU **Michael Meadows (South Africa)**, Secretary General,  
IGU **Yukio Himiyama (Japan)**, Vice President, IGU **G. Bellezza (Italy)**, Vice President IGU  
**Udo Schikhof (Germany)**, Chair, IGU Commission on Biogeography and Biodiversity **Ailikun  
(China)**, Executive Director, MAIRS **S. Haruyama (Japan)**, Chair IGU Commission on Hazard  
and Risk **Wuyi Wang (China)**, Chair IGU Commission on Health and Environment **Ivan Bicik  
(Czech Republic)**, Chair IGU Commission on LUCC **M. Sofer (Israel)**, Chair IGU Commission  
on Local Development **K. Takara (Japan)**, Kyoto University **K. Kimoto (Japan)**,  
Hiroshima-Jogakuin University **B. Maharaj (South Africa)**, IGU National Committee **E.  
Rustiadi (Indonesia)**, Member IGU Commission on LUCC **E. Milanova (Russia)**, Moscow  
State University **J.S. Gardner (Canada)**, Victoria University **John Sinclair (Canada)**,  
University of Manitoba **G.S. Chauhan (India)**, Member IGU Commission on LUCC **N.  
Nagabhushanam (India)**, Member IUGG-IGU Joint National Committee **Pritirekha  
Daspattanayak (India)** Ravenshaw University Cuttack **P.M. Kala (Ethiopia)**, Addis Ababa  
University **Victor Savage (Singapore)**, National University of Singapore **Shouraseni Sen Roy  
(USA)**, University of Miami **R. Hietala (Finland)**, University of Turku



**INTERNATIONAL GEOGRAPHICAL UNION (IGU) CONFERENCE**

**on GEOINFORMATICS FOR  
BIODIVERSITY AND CLIMATE CHANGE**

**MARCH 14-16, 2013**

**Registration Form**

Name (Block Letters).....

Designation.....

Department.....

Organization/Institute.....

Address.....

Phone..... Residence..... Mobile No.....

e-mail..... I wish  
to

a) Participate in the Conference with Paper/Poster (put v mark) b) Participate in the  
Conference without Paper

Title of the Paper.....

Details of Payment of Registration Fee 1) Demand Draft

No..... Dated..... Name of Bank.....

2) Electronic Fund Transfer.....

3) Any Other.....

Accommodation required .....yes/no (put v mark)

Place..... Signature Date.....