

Bangalore



University

Department of Geography & Geoinformatics



Union of Geographic Information Technologists (UGIT)

Registered under Societies Registration Act XXI of 1860 (Regd. No. SOR/BLU/DR/955/08-09)

www.ugit.net

Fifth International Conference On

Geospatial Technologies for Urban, Forest and Climate Change – Pathway to Sustainable Development

November 25-26, 2016

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**Welcome to Bangalore, the Garden City &
IT Hub of India !**

The Department is happy to announce that the fifth International Conference of the UGIT is being hosted by Bangalore University during 25-26, Nov 2016. The Department creates an opportunity for academicians, administrators, researchers and technologists to gather in Bengaluru on a platform to interact and deliberate on potential geospatial solutions. We are confident that the delegates will benefit by attending this international event and their stay in the IT Hub of India will turn out to be memorable. We look forward to see delegates from all over the World to participate in sessions, presentations, meetings and social gathering in Bengaluru!

Hosted by : Department of Geography & Geoinformatics, Bangalore University, Bengaluru, India

BACKGROUND

Over the past two decades Climate Change has emerged as a real threat and the need to acknowledge and jointly combat the adverse impacts to our planet. Climate change has been recognized as a process and is a global phenomenon. Climate change poses a threat to the environmental dimensions to whole World in general and India in particular. An incredible amount of topographical changes has been happening and in the process rapid natural change noticed on the Earth's crust since the time of its origin. But recently urbanization and deforestation have caused lot of physiological changes on earth's surface. Changes in the biosphere now dominated by human activity resulting in the severe adverse effects on the atmosphere and fragile ecosystems of the Earth's surface. To protect the Earth's environment and to assess and promote using satellite data and geo spatial technologies to tackle climate change is a main goal of the conference.

The Theme: Geospatial Technologies for Urban, Forest and Climate Change – Pathway to Sustainable Development

Urban, Forest & Climate change are areas that need to be focused from the research point of view. Urbanization and deforestation has led to climate change and whole World is experiencing its impacts. The process of deforestation and urbanization and effects of such aspects on the climate will be focused for better understanding. This is an important aspect of debate in a conference like this which helps in formulation of policies leading to sustainable urban and forest development. Many Geographers, Environmentalists, Meteorologists, Geologists, Forest Officials, urban administrators, academicians, teachers, planners and urban oriented technical personnel will have a common platform to discuss various issues and solutions relevant to India. There is a need for multifaceted approach to make emerging urban India a sustainable region for living. The aim of the conference is to create an occasion for the researchers to deliberate on the themes and sub-themes of urban, forest and climate change aspects. Towards this, the conference intends to create a podium of national and international expertise in the field of urban studies alongside the panel discussion.

Role of Geospatial Technology

Recent times have witnessed impact of urbanization & deforestation and global climate change. Though it is difficult to clearly identify the natural variability of atmosphere versus anthropogenic impacts, the recent report of the International Panel on Climate Change has attempted to quantify the impacts. In India, one of the concerns is with respect to the variability of monsoon rainfall. The effects of global warming on the Indian subcontinent vary from the submergence of low-lying islands, frequent flooding, coastal degradation and melting of glaciers in the Indian Himalayas. The various parameters associated with environment and climate change need to be monitored and analysed. Currently several operational satellites are providing global and regional informations. The satellite data is operationally being used for climate change studies and long-term database is being created. India is operating a series of satellites namely IRS and INSAT that provide several atmospheric and environmental data / informations. The data is being used to study temporal and spatial changes in landuse, vegetation, water resources and relate that to trends in weather parameters. The satellite data of past few decades are being used for climate change studies related to vegetation, coastal areas, water bodies, agriculture etc.

Call for Papers & Posters

Abstracts and full papers are invited from desirous participants for presentations at technical sessions on various themes. The full length original research article in soft-copy should reach to us within prescribed date. The paper should be in English only. **Selected research articles will be published in the UGIT's International Journal - "Geographical Analysis" & "Geo-eye".** For full length research articles see the instruction to the authors in the UGIT website www.ugit.net. Delegates willing to present Poster Session on the focal theme will also be arranged, therefore researchers who intends to present the same have to intimate well-in-advance. Please use the [registration form](#) to propose a paper. You will be asked to include names and other details.

Sub Themes of the Conference

- Evolving Smart Cities
- Urban Waste Management
- Urban Environment
- Deforestation
- Forest Conservation
- Environmental Impact Assessment
- Climate Change Issues
- Alternate Energy Resources
- GIS, Remote Sensing and GPS Applications
- Geomorphology, Population, Agriculture, Industry & Tourism

Panel Discussion

- Urban & Forest issues.
- Climate Change Solutions
- Geospatial solutions

Dates to Remember

Early bird Registration	30th Sept. 2016
Abstract Submission	10th Nov. 2016
Full Paper Submission	10th Nov. 2016
Inaugural Session	25 Nov. 2016
Technical Session	25-26 Nov. 2016

Registration Fees

Early Bird	: Rs. 2000	Sept. 30 th 2016
Regular	: Rs. 2500	Till Nov. 15 th 2016
Spot	: Rs. 3000	

For Students

Early Bird	: Rs. 1000	Sept. 30 th 2016
Regular	: Rs. 1200	Till Nov. 15 th 2016
Spot	: Rs. 1500	
Early Bird SAARC Countries	\$ 100	

Early Bird Non-SAARC:	\$ 150
Regular SAARC Country:	\$ 125
Regular Non-SAARC Country:	\$ 175
Accompanying Member:	Rs.1000/-
Accompanying Member SAARC:	\$ 50
Accompanying Member Non-SAARC:	\$ 50



Note : Registration fee includes conference materials, proceedings copy, food, accommodation. Information on accommodation, Conference Venue, Technical Sessions, etc. can be had from website. www.ugit.net

Young Technologist Award Competition

Research articles along with abstract will also be invited from young researchers who are below 35 years of age and wish to present and compete in Young Scientist / Technologist Award Session. The research articles submitted under this should be focused on conference theme and should be in original forms. Three best articles would be selected from this session for the Young Scientist / Technologist Awards and cash prize of Rs.10000, 5000 and 3000 for 1st, 2nd & 3rd would be given respectively along with certificate, medal & memento. Eminent academicians would be in selection committee for the entire process. The selection would entirely be based on relevance of the research topic, methodology applied, techniques used for analysis, output of the research and presentation. The research articles presented in this session will be published in up-coming international peer-reviewed journals of 'Geographical Analysis' and 'Geo-eye'. Rs 500 for entry fee for the young technologist Award will be collected from the candidate while accepting the application for the same.

Abstract & Keywords

An abstract should not be more than 250 words. It should summarize the purpose, methods, and major findings of the research work. The abstract should be original and not published elsewhere. Authors should provide three to six key words. The abstract should be submitted online only (For details visit www.ugit.net). **Abstract without registration fees will not be printed in the abstract volume.** Please use **the registration form** to submit your abstract. If find difficult to submit abstract and full paper contact convener and secretary and send your documents to below email : secretary@ugit.net convener@ugit.net

Conference Programme

The programme of the Conference will include keynote addresses, plenary lectures and discussions on themes- including urbanization issues and Smart city concept, human settlements and megacities, climate change; **forest** - to track green spots concentrations, forests and ecosystems; deforestation, climate change impacts; integrated spatial technology applications to track changes that have happened due to climate change, greenery loss, receding of ground water, increasing atmospheric temperature, etc.

Conference Outcome

The outcome of the Conference will be a series of key observations, recommendations and proposals for future activities regarding the use of Geospatial technology applications to reach a better understanding of the effects of urbanization, deforestation and climate change and how to address such effects.

Who are the Participants?

The International Conference is expected to bring together participants from national, regional, and international organizations from: Government agencies including ministries of development and planning, environment, agriculture, health, natural resources, and space agencies; National, regional and international organizations involved in space applications and environment; Academic and research institutions; Non-governmental organizations; Private Sector and industries. Students are encouraged to participate.

Location and Date of the Conference

The Conference will be held on 25th & 26th November 2016 in the Department of Geography, Jnanabharathi Campus, Bangalore University, Bengaluru. The University Campus is located in south-western part of Bengaluru adjacent to Mysore road and is roughly 10 kms from Railway-station / Kempe Gowda Bus Station (KBS) and around 40 kms from Bengaluru International Airport.

Accommodation:

Registered and confirmed participants will be provided accommodation in Bangalore University Campus and nearby places and staying information with details will be sent to them through mail / SMS. Accommodation facility would be extended during conference dates only. Any accompanied candidate needs to pay for accommodation. If any delegates wish to stay extra days need to pay on their own. Delegates participating in the conference needs to come to Bangalore University Campus on their own by local transport as frequency of buses, taxis and autos running from Airport, Railway Station, and Bus-Station to University Campus are high.

For Conference Registration

Mode of Payment: Payment can be made online by wire transfer or NEFT

Payment Mode for Indian Delegates:

IFSC: SBMY0040211

Account No: 64050979566

Name (In favour of): Convener, UGIT International Conference 2016

Note: Direct remittance can also be done by Indian delegates wherever State bank of Mysore is located. Or DD in favour of Convener, UGIT, International Conference 2016

Payment Mode for Foreign Delegates:

Swift Code: SBMYINBB 684

Account No: 64050979566

Name (In favour of): Convener, UGIT International Conference 2016

Note: Direct remittance can also be done by foreign delegates from the list given.

Bank Name: State Bank of Mysore.

Branch: Nagarabhavi

Address: Bangalore University, Jnanabharathi Campus, Bangalore-560056



About INDIA

India is in third place to have large number of startup initiatives and business in the globe. In Space technology it is one of the leading nations. India has got very peculiar monsoon type of climate where in six months monsoon winds blow from southeast and six months from northeast making India's agriculture and economy stronger. The country has the Himalayan Mountain System on north, Great plain area adjacent it, huge Deccan Plateau in the south, Western Ghats and Peninsular character made Indian sub-continent gifted by the nature.

About Bengaluru

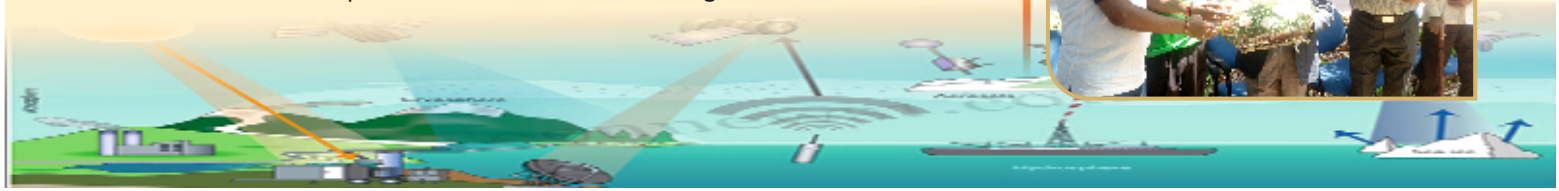
Bengaluru the Garden City of India located on the Deccan Plateau in the south-eastern part of Karnataka. Bengaluru has been inducted in the list of Global cities and ranked as a "Best World City" alongside Geneva, Copenhagen, Boston, Cairo, Riyadh and Berlin. Numerous public sector heavy industries, software companies, aerospace, telecommunications, and defence organisations are located in the city. Bengaluru is a major economic and cultural hub and the fastest growing major metropolis in India. Bengaluru city is filled with lush green parks, offering a respite from the stifling Indian heat. Bengaluru developed a reputation as being a progressive, well-designed and green city. Bengaluru "Silicon Valley of India," has the region's high concentration and growth of firms specialising in software, electronics and research and development. Continuous additions of large number of technological companies from last 20 years have helped Bengaluru emerge as a technological hub. Internet-based technology is growing rapidly as a result of the dot-com boom.

About Bangalore University

Bangalore University is one of the largest Universities in India started as a 'Nucleus of Science' and commands a student strength of over 3,00,000 and as many as 750 Colleges and over 70 Post-Graduate Departments. According to India Today – Nielsen survey of May 31st 2010, Bangalore University ranks 13th in the list of 50 top Universities in the Country. Academically, the University is structured into six faculties. At present, the University offers 50 Post Graduate Courses and Employment Oriented Diploma and Certificate Courses. The University has launched the Five years Integrated Courses. The University is also reaching out to the society by organizing endowment and extension lectures apart from bringing out publications on issues of contemporary relevance. The University is providing quality teaching and encouragement to research in frontier areas with social relevance that would reflect its mission and goals aptly symbolized by its emblem JNANAM VIGNANA SAHITHAM. Over 650 acres of land on our JnanaBharathi Campus has rich bio-diversity. Our bio-park programme is aimed at preserving the existing eco-system and to develop it as a center for Ecological/Environmental studies and research.

Department of Geography

The curriculum of the courses have been designed and upgraded on par with IAS, KAS, NET and SLET so as to help the candidates in Civil Service examinations to become class-I & Class-II Officers and qualify in eligibility tests to become Assistant Professor at College and University level. Geospatial Technologies like Remote Sensing, Geographic Information Systems (GIS), Global Positioning Systems (GPS), Surveying and Digital Cartography have also been included in the curricula to cope with the needs of the fast changing world and allow students to get placements in Multi-National Companies (MNCs). Students after their degree have multi-options to decide whether to go ahead with civil service, teaching, research or geospatial technological fields. All the areas have got equal opportunities to provide them placements. Every year there is high demand for the admissions to all the courses. The students of the Department have been absorbed in many sectors like Government, M.N.C's and Entrepreneurs. Campus interview are conducted regularly. The department is well-equipped with latest GIS software versions like Arc-GIS, ERDAS Image Processing, ILWIS, Geo-Media Professional, Auto-Cad, iGIS and the Department received Departmental Research Support (DRS) under Special Assistance Programme (SAP) in 2011 by University Grants Commission to facilitate potentials in research and teaching.



The Department is emerging as a Nodal Training Centre in GIS and Remote Sensing as it organizes workshops and training programmes in the areas of spatial technologies. Both Indian Space research Organization and Karnataka Science & Technology Academy support in funding the Department. The department is well-equipped with Labs, Wi-Fi connection and a good library for documentation facilities. The Department regularly conducts Campus Cleaning & Greening under Swachh Bharath Abhiyaan. Apart from this Earth Day, Environmental Day, Ozone Day, World Water Day, GIS Day, etc are being conducted for creating awareness among public and plants hundreds of trees every year.

Bhuvan Mapping: Department of Geography has been identified under Bhuvan mapping Programmes where in ISRO supports the department in providing the infrastructure facilities for the Bhuvan Village mapping and database creation.

EduSAT Outreach Programme: Department of Geography has been identified as one of the nodal centres by ISRO / IIRS for EduSat programme. Students, researchers and teachers of the department can register their name and get benefit of the online programs.



About UGIT

The Union of Geographic Information Technologists (UGIT) is the global organization representing geographers from public and private sectors and from Universities. The UGIT is dynamic on many fronts: from the spreading of geographic research to the backing of geographic education and support with international organizations. Its head quarter is at the Department of Geography, Bangalore University, Bengaluru-56. The Union is registered academic body under Societies Registration Act XXI of 1860 (Regd. No. SOR/BLU/DR/955/08-09). The main aims of the union are to enrich, spread and utilization of the spatial technologies; to publish, promote and develop the use of resource, curriculum, teaching and learning materials; to popularize the Geographical Information Science and its varied applicability among the academicians and educationists in India and in the World; to save mother earth from various geo-eco hazards through enhancing these technologies; to organize conferences every year; to publish peer-reviewed research journal comprising research articles in the subject area every twice in a year.

UGIT Membership

Mode of Payment: Payment can be made online by wire transfer or NEFT

Payment Mode for Indian Delegates:

IFSC: SBMY0040211

Account No: 64042062621

Name (In favour of): Secretary, UGIT

Payment Mode for Foreign Delegates:

Swift Code: SBMYINBB 684

Account No: 64042062621

Name (In favour of): Secretary, UGIT

Note: Direct remittance can also be done by foreign delegates from the list given.

Bank Name: State Bank of Mysore.

Branch: Nagarabhavi

Address: Bangalore University,
Jnanabharathi Campus, Bengaluru – 560056

MEMBERSHIP FEES

Annual Member (India): Rs. 500.

Annual Member (Foreign): \$ 50.

Life Member (India): Rs. 3,000.

Life Member (Foreign): \$ 200.

Emeritus member (India): Rs. 50,000

Emeritus member (Foreign): \$ 2,000.

Patron (India): Rs. 1,00,000.

Patron (Foreign): \$ 5,000.

Note:

Membership fees can be sent electronically (NEFT) or direct money transferring to our account and UGIT Annual Membership period is from January - December.

UGIT Excellency Awards

An award is a form of honour, a kind of recognition aimed to felicitate one's excellent contribution in a chosen field. An award is not only a great prestige or a mark of excellence, but is also a tremendous boost for someone to strive and excel higher and aim for even bigger accomplishments in life. It is the ultimate token of recognition of purest of talents and highest of achievements. With an object of encouragement and inspiration to teaching and research community UGIT is giving Excellency Awards since 2015. The executive body selects the contributors to felicitate them on UGIT's 5th International Conference. The Awardees name and achievements would be appeared in UGIT's Geographical Analysis Journal. On the occasion of the International



Conference, UGIT would like to recognize and honour Researchers, Geographers, technologists and Academicians from Geo-spatial community, who have best record in their respective areas and who have promoted Geospatial technologies by applying in different fields are felicitated in the inaugural function of International Conference. Five candidates would be selected across India and the World.



UGIT, s Journal Publications

The Department of Geography, under Union of Geographic Information Technologists (UGIT) publishes original and innovative research articles consisting of Geography and allied disciplines. The “Geographical Analysis” (ISSN 2319 - 5371) and “Geo-Eye” (ISSN 2347 - 4246) are the two international peer-reviewed journals of the UGIT. Geographical Analysis comprises research articles which aim to ascertain and update geographical knowledge through its biannual publication. Geo-eye is an e-journal and is biannual in character. These journals provide ample opportunities for researchers for whom this would be a stepping stone as formal research writing. Articles published under these journals address various research issues & challenges, which resolve the practical problems faced by the contemporary world.

Email : editor@ugit.net

UGIT Membership

The membership can be done electronically by visiting www.ugit.net. He / She upon the prescribed membership payment a certificate will be issued. The UGIT is committed to provide better service possible to all its members regardless of whether they are students, teachers, and professors, employed in the public or private sector, retired or non-waged. Membership can also be done by downloading hardcopy from www.ugit.net filling it up and sending by post.

Benefits of the Members

The UGIT is committed to provide a forum to deliberate on the current geo-socio-economic cum political issues emerging in the society. The stakeholders will have an opportunity to present their views through articles and their physical presence in the seminars / conferences being organized under the aegis of UGIT. The members get the benefits of UGIT journals Geographical Analysis and Geo-eye. The members can attend annual seminars & conferences regularly. UGIT brings all its members together to resolve their academic problems in promoting the disciplines. Members will have wide access to research materials.

Advisory Committee

Prof. Shivakumar J.S., Dean, Science Faculty
Prof. Manjunath .K, Chairman, Micro Biology Dept., BUB
Prof. Anavekar R.V, Dept. of Physics, BUB
Prof. B. Eshwarappa, Ex Vice President, UGIT
Prof. Renuka Prasad, Dept. of Geology, BUB
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Dr. D.P. Angadi, Mangalore University
Dr. Priya .N, Central University of Karnataka, Gulbarga
Dr. Sriharibabu B.L., Superintendent of Police

Organizing Committee

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Dr. Rita .B	Sri. K. Ningaiah
Dr. Jayalaxmi S.H.	Sri. Srirama Reddy S.V.
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Sri. Hanumantha Raju .R	Dr. Prasanna Kumar
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Mr. Kullayappa .M	
Sri.Ashwath K.N.	
Sri.Basavaraj G.R.	
Mr. Shekar Angadi	

Dr. Ashok D Hanjagi

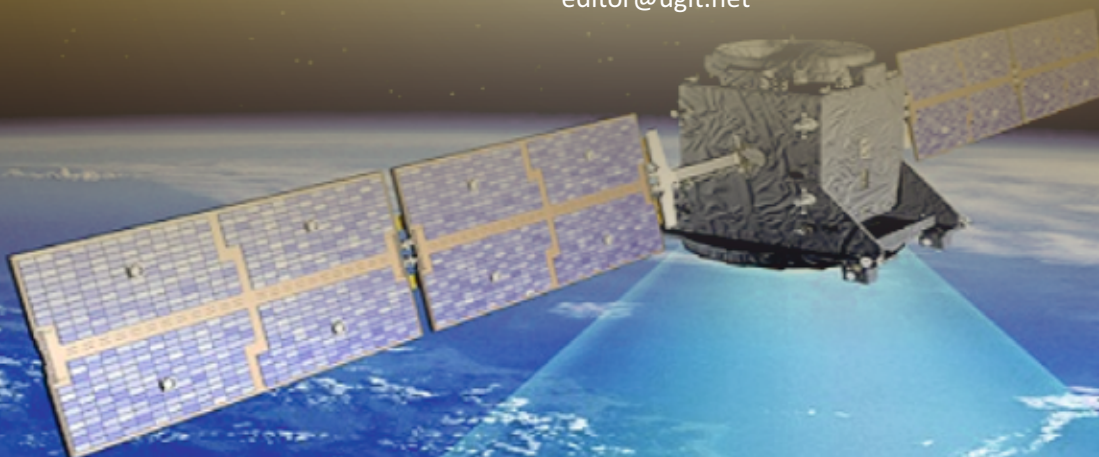
Convener, UGIT International Conference 2016

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editor@ugit.net



Invitation

Fifth International Conference On
**Geospatial Technologies for Urban,
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Development**

November 25-26, 2016

To,

Bangalore University

Department of Geography & Geoinformatics

Bangalore - 560 056, INDIA