

ORGANIZING COMMITTEE

Chief Patron: Prof. G.Nageswara Rao
Vice-Chancellor, Andhra University

Patron: Prof. P.S. Avadhani
Principal, AUCE (A)

Convener: Prof. G. Jai Sankar
Head, Department of Geo-Engineering

Members:

Prof. P. Jagadeeswara Rao

Prof. V. Venkateswara Rao

Prof. (Emeritus) K. Nageswara Rao

Prof. E. Amminedu

GUEST SPEAKERS

Dr.Y.R.Satyaji Rao, Head, NIH , Kakinada

Prof. M. Jagannadha Rao, Dept. of Geology, AU

Dr. N. Bhaskara Rao, CADA, Vijayawada

REGISTRATION

Interested participants are requested to submit the Registration Form (on the last page of this brochure) on or before 20-04-2018 through e-mail or by post.

ALL CORRESPONDENCE SHOULD BE ADDRESSED TO:

Prof. G. Jai Sankar

Workshop Convener

Department of Geo-Engineering

AU College of Engineering (A)

Andhra University, Visakhapatnam-530003,

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THEME OF THE WORKSHOP

The 2-Day Workshop is being organized during 21-22 April 2018 with the most relevant theme of “**Challenges and Trends in Open Source GIS Software**”

Open Source GIS Software, which are freely available on Internet have revolutionized the identification, classification, mapping, monitoring, characterization and tracking of changes in composition, extent and distribution of various forms of renewable and non-renewable, living and non-living resources. Open source GIS software play a significant role in providing geo-information in spatial format and help in determining, enhancing and monitoring the overall capacity of the Earth. Satellite observations of land, ocean and atmosphere, and their integration through GIS processing and modeling, provide crucial information, especially during natural and anthropogenic hazards for managing disasters and minimizing loss of life and property.

Aimed at government officials, teachers, researchers and students, the application potential of open source GIS software for resources evaluation and management will be discussed in the Workshop. Reflecting the present scenario of climate change and global warming with all their environmental ramifications, issues related to water resources and their improvement, sea-level rise and coastal inundation, etc., the Workshop covers the following major topics highlighting the application of the geospatial technologies:

TOPICS TO BE COVERED INCLUDE

Location based application developed for mobile devices; Geo-Spatial Intelligence, Artificial Intelligence, Big Data Analytics; Geo-Spatial Leadership; Cloud GIS Platform; 3D Urban Mapping; GIS and E-Governance; and Open Source GIS Platform

ABOUT ANDHRA UNIVERSITY

Andhra University (AU) established in 1926 is one of the oldest and largest academic institutions in India imparting education to over one lakh students every year in various branches of engineering, pharmacy, science, arts, commerce, and law. Since its inception, the university has been keeping up with its tradition of a national interface. Besides its routine contribution in cultivating, nurturing and grooming up of the top-notch intellectuals for the nation, its unique presence is strongly felt even in the International scenario for its research and innovations in the field of science, engineering and technology. In recognition of its outstanding performance, the University has been accredited by NAAC. Andhra University College of Engineering (Autonomous) is one of the constituent colleges with a separate campus spread over 167 acres of land and the first autonomous college among the University's six constituent colleges. Every year, the Andhra University College of Engineering (AUCE) enrolls 2800 students in 15 Departments offering 16 Under Graduate programmes and 39 Post-Graduate programmes. The College has a modern state-of-art laboratories and intranet and internet facilities. The AUCE has been selected as one of the lead institutes under the World Bank funded TEQIP; and almost all the courses run in its departments are accredited by NBA.

ABOUT VISAKHAPATNAM

Visakhapatnam, a breathtakingly beautiful coastal city on the east coast of India with green hills and sylvan beaches dotting the seafront, has many tourist attractions and holiday spots. Splendid ancient temples and modern industries made Visakhapatnam a vibrant city. It is the headquarters of the Eastern Naval Command of the Indian Navy. With its rapid population growth, the city is becoming a hotspot for various environmental concerns such as industrial pollution, water scarcity and coastal erosion. Many academics, scientists and engineers are engaged in studies on these issues. Therefore, Visakhapatnam is an ideal location for conducting the Workshop on Challenges and Trends in Open Source GIS Software.

ABOUT THE HOST DEPARTMENT

The Department of Geo-Engineering & Resources Development, Technology established in 1980, is an interdisciplinary Department in the Andhra University College of Engineering (A). The Department comprises teachers drawn from different disciplines like Geology, Geography, Geophysics, Meteorology, Remote Sensing, Mathematics and Computer Science. The Department has a unique research unit, Centre for Remote Sensing and Information Systems, established in 1983 with the MHRD support and later strengthened by ISRO in 2002 towards building the state-of-the-art Remote Sensing and GIS Infrastructure. The Department is conducting 2-year M.Tech. Remote Sensing and M.Tech. Geo-Engineering courses and a 4-year B.Tech. Geo-informatics Engineering course. The Department has successfully carried out many research projects of multidisciplinary nature funded by ISRO, DST, MoEn&F, DONCE, DOD, NRSC, AICTE, IGIDR and other Govt. and Non-Govt. organizations. The Department has joint M.Tech. programmes with Indian Institute of Remote Sensing (IIRS), Dehradun, and the United Nations Centre for Space Science and Technology Education in Asia and the Pacific (CSSTE-AP), Dehradun. The Department has academic linkages with international institutes such as ITC, The Netherlands, Shimane University, Japan, Yamaguchi University, Japan and Waseda University, Japan. Apart from teaching and research, the Department also offers consultancy services in the areas of groundwater, soil investigations and monitoring of natural resources using Remote Sensing, GIS and GPS technologies along with other conventional methods to various government and private organizations in and around Visakhapatnam as well as different states in the country. The Department fulfills its societal responsibilities by involving in programs such as creating awareness in water harvesting and water conservation methods. The Department has been providing training in the application of Remote Sensing, GIS and GPS technologies in the areas of coastal zone management, watershed management and rainwater harvesting to researchers, scientists and engineers of various governmental/non-governmental organizations.

REGISTRATION FORM

(Copies of this form can be used for submission)

Name :
Designation :
Organization :
Address for Correspondence:

Mobile No. :
E-mail :
Registration category:
(College/University Teacher/
State/Central Govt. Official/
Research Scholar)

(Signature)

Date:

Sponsorship Certificate:

Certified that _____ is a regular employee/research scholar of our institution since _____ and is hereby sponsored to attend the 2-Day National Workshop on "**CHALLENGES AND TRENDS IN OPEN SOURCE GIS SOFTWARE**" being conducted in the Department of Geo-Engineering, AU College of Engineering (A), Visakhapatnam during 21-22 April 2018.

Place:

Date:

Signature of Head

of the Institution



NATIONAL WORKSHOP ON CHALLENGES AND TRENDS IN OPEN SOURCE GIS SOFTWARE

21-22 APRIL 2018

Organized

As a part of the Earth Day Celebrations

By

Department of Geo-Engineering
Andhra University College of Engineering (A)
Visakhapatnam-530003, Andhra Pradesh, India

and

Indian Society of Geomatics -
Visakhapatnam Chapter

Convener

Prof. G. Jai Sankar

Sponsored by

**AU College of Engineering (A)
Under TEQIP-III**