



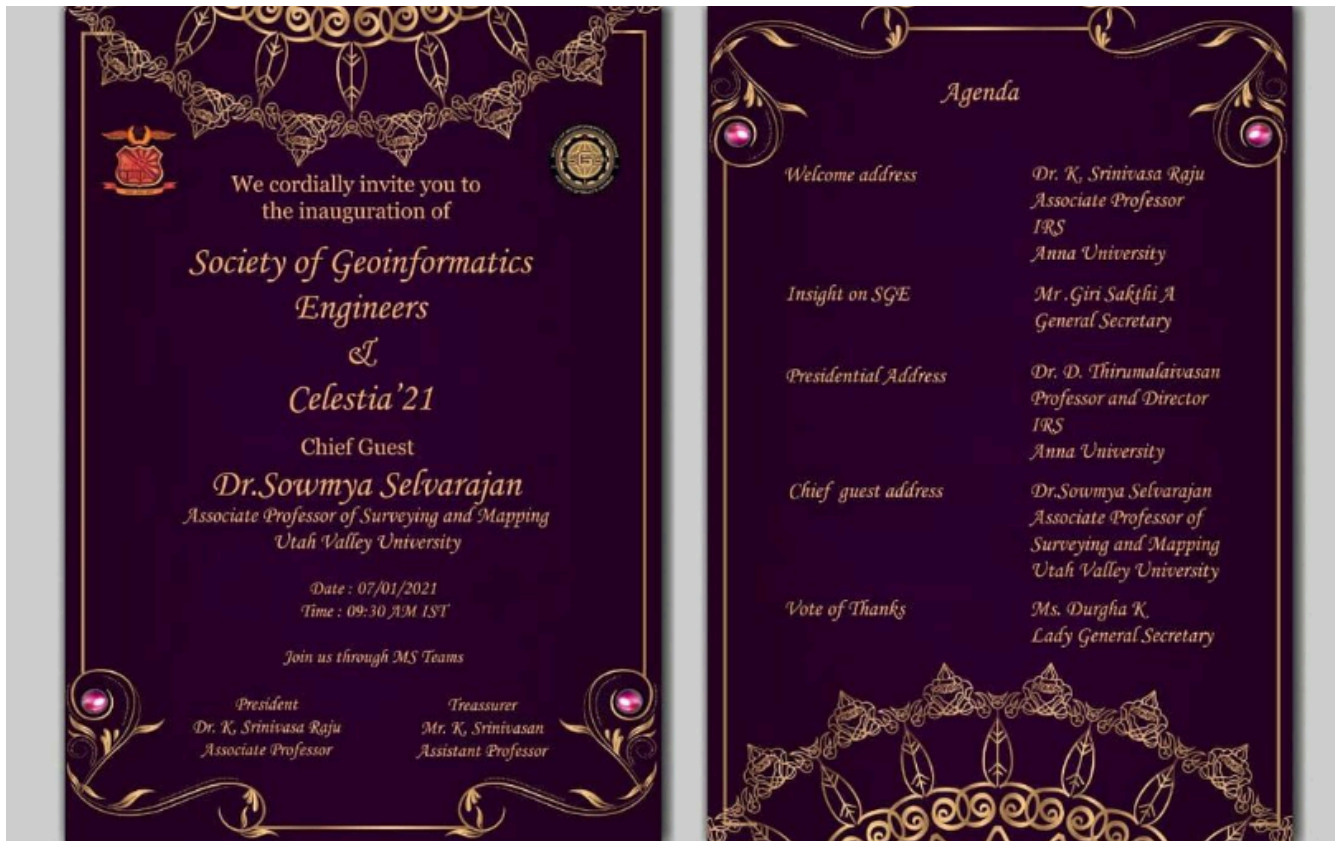
SOCIETY OF GEOINFORMATICS ENGINEERS
INSTITUTE OF REMOTE SENSING

NEWSLETTER

VOLUME 17 | ISSUE 1
JANUARY TO JUNE 2021

EDITORIAL BOARD

- PATRON - DR. D. THIRUMALAIVASAN, PROFESSOR & DIRECTOR, IRS
- ADVISOR - DR. K. SRINIVASA RAJU, ASSOCIATE PROFESSOR & PRESIDENT, IRS
- TEAM LEAD - DR. K. SRINIVASAN, ASSISTANT PROFESSOR & TREASURER, IRS
- CONTENT TEAM - GIRI SAKTHI A, DURGA K, KAVICHELVAN, HARSHA, RAJ THILAK, LASITHA



SGE MARKS ITS INAUGURATION AMIDST COVID-19 INTEGRATING CELESTIA

January 7, 2021

The inauguration ceremony of the Society of Geoinformatics Engineers and Celestia '21 was held on Thursday, January 7, 2021, at 9:30 a.m at online mode. The event featured Ms. Sowmya Selvarajan, PhD, Associate Professor of Surveying and Mapping from Utah Valley University, as the chief guest. Hosted by Dr. K. Srinivasa Raju, The president, and Mr. K. Srinivasan, the Treasurer, the ceremony marked the commencement of a series of engaging discussions and presentations focused on Geoinformatics and remote sensing.

Following the inauguration, the intra-college symposium Celestia is held from January 8th to January 12th, completely through online. Celestia is the prestigious annual intra-college technical symposium organized by the Society of Geoinformatics Engineers. It serves as a platform for showcasing cutting-edge technology and innovation in Geoinformatics, driving significant progress in the field and fostering opportunities for future collaborations and advancements.

The events included Poster Presentation and Paper Presentation based on applications like Disaster Management, Agriculture and Environmental Impact Assessment.



SGE CONDUCTS 17TH EDITION OF GEOHORIZON: STRICTLY FOLLOWING COVID-19 PROTOCOLS

March 19th and 20th, 2021

Amid the challenges posed by the ongoing COVID-19 pandemic, the Society of Geoinformatics Engineers (SGE) successfully hosted a hybrid national-level tech symposium, adhering to all safety protocols. Geohorizon'21 marked a significant milestone as one of the first events conducted both online and offline, featuring live streaming and global participation.

Ms. Archana Stalin, marked her presence to the symposium as a chief guest. Notable experts from the geospatial domain enriched the participants with their lectures and workshops.

Mr. Arul Raj, Group Head, Bhuvan Geospatial and Web services Group provided a lecture on Bhuvan portal's services. Dr. Zaffar Sadiq Mohammed, Overseas professor, Institute of Remote Sensing took a workshop on 'Geospatial and Economy: What does it mean for us?'. Dr. S. Vasantha Kumar, Associate Professor, VIT provided an insightful lecture on terrain based LIDAR mapping. Prof. Eswar Rajasekaran from IIT Bombay provided a workshop on the applications of Thermal and Infrared Remote Sensing.

Beyond this, Paper and Poster presentation events occurred along with other technical and non-technical events.

The society provides a word of gratitude for the sponsors and participants for making the symposium, a resounding success.



CURRENT PROJECTS OF IRS

MONITORING OF INTEGRATED WATERSHED PROGRAMME (IWMP) WATERSHEDS USING GEOSPATIAL TECHNOLOGIES MANPOWER

Funded by National Remote Sensing Center, Hyderabad, the project is carried out under the principal investigation of Dr. K. Srinivasa Raja, Associate Professor, Institute of Remote Sensing since 2017.

MONITORING OF NABARD SPONSORED WATERSHEDS USING GEOSPATIAL TECHNOLOGY

Under the principal investigation of Dr. D. Thirumalaivasan, Professor & Director, IRS and Dr. K. Srinivasa Raju, Associate Professor & Director, IRS, the project delivers to monitor the watersheds. This is funded by National Remote Sensing Center

SOCIETY MEMBERSHIPS

- Dr. K. Srinivasan, Assistant Professor, IRS has become a life member in [Indian Society of Remote Sensing \(ISRS\)](#).
- Mrs. M. Navamuniyammal, Assistant Professor, IRS has renewed the membership of [IEEE Madras Chapter](#).
- Dr. M. Shanmugam, Assistant Professor, IRS has become a life member in [Indian Society of Geomatics \(ISG\)](#).

World Meteorological day - 2021 Theme: The Ocean, Climate and Weather

Every year on March 23rd, the world comes together to celebrate World Meteorological Day, an event that highlights the essential role of the science of meteorology in our daily lives. The theme for this year, "The Ocean, Climate and Weather" underscores the intricate connections between our oceans, climate systems, and the weather patterns that shape our world.

The ocean, covering over 70% of the Earth's surface, is a vast and dynamic component of our planet's climate system. It plays a critical role in regulating the climate by absorbing a significant amount of solar radiation and redistributing heat around the globe through currents. This process influences weather patterns and contributes to the regulation of global temperatures. The ocean is also a major driver of atmospheric circulation, which dictates the development and movement of weather systems, including storms, hurricanes, and rainfall patterns.

However, the impacts of climate change are becoming increasingly evident in our oceans. Rising global temperatures are leading to the warming of ocean waters, contributing to the melting of polar ice caps and the rising sea levels. This, in turn, affects marine ecosystems and the communities that rely on them for food and livelihoods. Moreover, warmer oceans provide more energy to fuel extreme weather events, making them more intense and frequent.

World Meteorological Day 2021 serves as a reminder of the importance of understanding and protecting our oceans. By improving our knowledge of oceanic processes and their interaction with the climate and weather, we can better predict and mitigate the impacts of climate change. As we commemorate this day, it is crucial to recognize the interconnectedness of the ocean, climate, and weather, and the vital role they play in sustaining life on Earth.