

REPORT on Winter School on Advances in Remote sensing and its applications:

“Winter School on Advances in Remote sensing and its applications” is a five day event which was organized during 18th – 22nd December, 2019 in Sravanthi Seminar Hall of ECE Dept., by IEEE Student Branch of VFSTR (Deemed to be University) in collaboration with IEEE Hyderabad Section, IEEE CIS/GRSS joint chapter, under GRSS India initiatives 2019.

The event started off with the inaugural speech of Dr.N. Usha Rani, Senior IEEE Member and convenor of the event addressed the gathering and stated the importance of Remote Sensing and its key applications, the sole purpose of conducting this event. “The reason for conducting this event is to make you aware of Remote Sensing Technology and various aspects related to it that is taking place in the present scenario so that one can easily come with new concept or solution that can solve the problems in this domain.” she added.

Later on, All the dignitaries, Rector, Vice chancellor of Vignana’s University stated about the importance of this domain in various fields . IEEE CIS/GRSS society Representative, Dr. Hitendra Sharma addressed the gathering and stated the importance of IEEE GRSS society and its key importance among other societies.

Chief guest Dr.N.Rama Rao stated that “ the clear knowledge in Remote Sensing domain, can come up with solutions for many real time applications in the present scenario.

After the inaugural, the keynote speeches started with guest of honour Mr. Rama Krishna CEO, Effotronics Pvt. Ltd about the industry 4.0 and its importance , various systematic ways used in a industry to design new products or devices that can solve real time issues.

Later in the day, the chief guest Dr.N. Rama Rao, from IIST, Trivandrum discussed about the Introduction to Remote Sensing and key notes on data, approaches and evolving applications. He also elaborated about advanced remote sensing – LIDAR, and hyperspectral sensing. The day one ended with key note speech by Prof. Alejandro discussed about Science, Reproducibility, Replicability in Remote Sensing on a Skype call. At the end of his key note speech he also cleared the doubts expressed by the audience regarding selecting a journal and how we need publish a paper effectively.



On the 2nd day of the event, the candidates were made to know about introduction to GIS technology and how intelligent drones are taking over conventional surveying techniques by Mr. AnandJadhav, TDI .

The afternoon session was headed by Dr. N. Usha Rani and Dr.Hithendra Sharma about Hyper Spectral Remote Sensing for Earth Sciences.

The 3rd day of the event ,the morning session was started by Dr. B. S. DayaSagar, ISI Bangalore demonstrated about the Mathematical Morphology in Processing and Analysis of Digital Elevation Models.

In afternoon session, Dr.C.V. Rao, NRSC gave a clear picture about the image registration through fusion and its importance and ended the day by discussing about Introduction to Machine Learning.

On 4th day, the morning session was headed by Marcia Chen and Baisali Ghosh, TDI explaining about the Adaptation of Drones in various nations along with applications of Drones. They both express how the current scenario can be improved by implementation of drones in various areas like agriculture, Forest etc. In the afternoon session, Dr. Abhishek Tripathi from MATH Works discussed about the Hyper Spectral Image Processing, exploiting image processing and Machine learning using MATLAB.

On the final day of the event Mr. Praveen Pankajashan, Corteva delivered a key note speech on the importance of Machine Learning for Remote Sensing and interpretability of models with hands on practice to participants.

Later, valedictory function was carried out for the event guests and the convenor; coordinators of the event are lauded by the chairman of Guntur subsection and the management of the University. Finally event was closed with the vote of thanks given by Dr N. Usha Rani, Senior Member IEEE and convenor of this event.

