

2ND TECHSURGE 2018

TECHNOLOGY AND INNOVATION FOR SUSTAINABLE FISHING **(TISF)** **10TH AUGUST 2018**

The Marine Technology Society (MTS) India Section in association with the Bay of Bengal Programme - Inter-Governmental Organisation (BOBP-IGO) organized the 2nd Techsurge 2018 on the theme of 'Technologies and Innovation for Sustainable Fishing (TISF)', at Hotel Crowne Plaza, Chennai, India on 10 August 2018. This event is a prelude to the proposed mega event 'Oceans' 2022 to be organized by MTS and IEEE (Institute of Electrical and Electronics Engineers) in Chennai, Tamil Nadu in 2022.



Technologies & Innovation for Sustainable Fishing (TISF)

10th August 2018



2nd Techsurge - Technology and Innovation for Sustainable Fishing

Dr.R.Venkatesan, Chairman MTS India & Head, Ocean Observation Systems, National Institute of Ocean Technology welcomed the gathering and spoke on the growth of MTS India Section and its success in promoting awareness, understanding, advancement and application of marine technology. He said that more than 125 delegates representing 41 organizations that include Navy, Coast Guard, Department of Fisheries and NGOs are attending the 2nd Techsurge 2018 to discuss the present and futuristic technology for Safety, Security, Navigation and Technology for sustainable fishing. The event provides them a common platform to share their views on field-level applications of the technologies and challenges.

The message provided by the Minister of Fisheries, Government of Tamil Nadu was read. The message said that fisheries sector plays a pivotal role in food supply, providing food security and also as the primary source of employment and livelihood to the coastal communities. Various development initiatives coupled with the conservation and management measures based on strong scientific principles is promoting the growth of the sector in the State.

Dr.M.A.Atmanand, Director, National Institute of Ocean Technology (NIOT), in his address said that the Techsurge aims to find high tech solutions for improving, optimizing the resource utilization, fishing expenditure and to increase the overall efficiency of the fishing sector in a sustainable manner. The Techsurge provides a platform for exchange of information on recent innovations in technologies for sustainable fishing and also the up-coming cutting-edge technologies covering areas such as safety, security and navigation, which would be very much useful to the user groups.

Dr.Yugraj Singh Yadava, Director, Bay of Bengal Programme, Inter-Governmental Organisation (BOBP-IGO) said that the need for sound technologies and innovations in fisheries, especially in the marine fisheries sector, is being felt much more now than in the past 5 – 6 decades. Increased fishing efforts leading to over exploitation of the resources. In these challenging circumstances, events such as ‘Techsurge’ can provide a platform for knowledge exchange, sharing information on field-level experiences, networking of stakeholders and practitioners operating in different fields and at different levels, and also providing an opportunity for students and young professionals to hear the developments and interact with people with wider experiences in the sector.

Two technical sessions (1) Communication for Fisheries and (2) Regulation, Experience & Safety were held and experts from Weather Dock, Germany, Inmarsat India, NIOT, CMFRI, Tamil Nadu Fisheries, BOBP-IGO, Indian Coast Guard, COBHAM SATCOM, NCCR and Norinco made presentations covering the present and the futuristic technologies for safety, security, navigation and technology for sustainable fishing.

Student poster competition on technology development was also held during this event. Students from SRM, Alpha College of Engineering, CUSAT, Sri Sairam Institute of Technology, Chennai, Andhra University, Bannari Amman Institute of Technology, Sairam College of Engineering, Bangalore, SSN College of Engineering, and New Horizon College of Engineering presented their posters.

The Jury for the Student Poster Competition announced the following awards:

- ❖ First prize to Sri Sairam Institute of Technology, Chennai for their theme on “Use of Block Chain Technology to Reinforce Sustainable Fishing”.
- ❖ Second prize to Andhra University for their theme on “Automated fish feeding and monitoring system for cage culture by using autonomous surface vehicle platform”.
- ❖ Third prize to Sri Sairam College of Engineering, Bengaluru for their theme on “Our Aquaculture Monitoring AUV”.

Shri K.Nandakumar, Secretary MTS India Section and Managing Director Elektronik Lab, Chennai gave the vote of thanks.

Photos of 2ndTechsurge on Technology and Innovation for Sustainable Fishing



Dr.R.Venkatesan, Chairman, MTS India Section



Cmdre S. Shekhar



Dr.M.A.Atmanand, Director, NIOT



Dr.Y.S.Yadava, Director, BoBP



Mr. Alfred Kotoucsek– CEO, Weather Dock, Germany



Mr. K. Nandakumar, Secretary, MTS India Section



Releasing souvenir



*Mr. Gautam Sharma
Managing Director , Inmarsat India*



Tata Sudhakar, Scientist, NIOT



Dr.P.Laxmilatha, CMFRI



Panel discussion





Mr. Gautam Sharma



Mrs. Meenal Rao



Mr. Tata Sudhakar



Dr. Tune Usha, Scientist, NCCR



Dr. P. Laxmi Latha



Mr. Rajaraman, Norinco



Mr.A.Anthony Xavier,
Tamil Nadu fisheries



Mr.Pankaj K.Borah, Seabird



Representative from CT control Technology



Representative from EyeRov



DIG Donny Michael, ICG



Dr.R.Kirubakaran, Former Scientist, NIOT



Dr.V.Sampath, Former Director, ICMAM



Mr.S.P.Sharma – Indo-Australian chamber



Dr.R.Narayanakumar, CMFRI



Cmdre.Vasan

Report by MTS India Section