

Report of completed program

Campaign No: No: 031 – SALNET- Foundation Day
Date & Time: 14 September 2021: 04.00 PM to 08.30 PM
Participation Details: Engineers from Indian railways, No of participants – 56

Schedule

Time	Title of the talk	
17:00-17:05	Welcome	SALNet (Shriram)
17:05-17:50	Plenary Lecture-1: Lightning and Thunderstorms in the future climate	Prof. Colin Price
17:50-18:35	Plenary Lecture-2: An overview of Lightning Protection System	Mr. Mitchell Guthrie
Panel Discussion on Current Issues in Promoting Lightning Safety and Protection Moderated by <i>Prof. Chandima Gomes</i>		
19:30-19:35	Introducing the panelists	
19:35-20:05	Panel Discussion	Prof. Mohd. Zainal (ALPER)
		Mr. Man Thapa (ADPC)
		Prof. Ajit Tyagi (SAMA)
		Dr. K. J Ramesh (RIMES)
		Er. Foster Lubasi (ZACLIR)
		Dr. Stephane Schmitt (Meteorage)
		Prof. Mary Ann Cooper (ACLENet)
		Dr. Anirban Guha (SALNet)
20:05-20:30	Interaction with the participants and wrap up by Prof. Chandima Gomes	

Celebrating Foundation Day on 14th September 2021

Realizing the situation in the south Asian countries concerning lightning-related death and property loss, the South Asian Lightning Network (SALNet) was founded on the 14th of September 2019 with the objectives to a) mitigate the loss of human lives, livestock and other physical properties in the region by 1) raising awareness, 2) providing training to the technical manpower 3) educating the school teachers and students, and b) conducting research activities in the region with mutual support among the national centres. In accordance with its objectives, SALNet has been conducting various awareness and training programs since its foundation despite the adverse situation due to C-19 pandemic. Over dozens of online programs were organized during the pandemic in addition to four physical programs. As a part of its activities, SALNet is all set to celebrate its foundation day by organizing an online program during which two vital issues of lightning will be discussed

1. Lightning and Thunderstorms in the future climate by Prof. Colin Price
2. An overview of Lightning Protection System by Er. Mitchell Guthrie

The prospect of lightning and thunderstorms in the perspective of rapid climate change has been a subject of grave concern. What speculations have been made on the frequency and intensity of thunderstorms in the future climate? How will the lightning respond to the future climate? These intriguing curiosities and many more will be discussed by **Prof. Colin Price**, one of the world-renowned Scientists, in the field of lightning and climate change. **Colin Price** is a Professor in the Porter School of the Environment and Earth Sciences at Tel Aviv University, and the Head of the Department of Environmental Studies

Yet another subject of grave concern and challenge is to mitigate the human fatalities due to lightning and in particular in the rural population. One of the measures for the mitigation of the fatalities is having a safe shelter at an affordable cost. To provide solutions for rural populations and to discuss the scientific techniques of lightning protection systems, former chair of the technical committee for lightning protection system (TC-81) under International Electrotechnical Commission (IEC) **Mr. Mitchell Guthrie** will be the other speaker. Mitchell has been a member of the USNC/IEC TC 81 TAG since its inception and serves as its Technical Advisor for the USNC. He served as TC 81 Chair from December 2006 to December 2016.

The two plenary lectures will be followed by a panel discussion on the current issues in promoting lightning safety and protection.

Speaker

Prof. Colin is a Professor in the Porter School of the Environment and Earth Sciences at Tel Aviv University
Mr. Mitchell Guthrie's background in lightning protection includes serving as the US Navy's Technical Support Agent for explosives safety

Prof. Chandima Gomes is the Professor of High Voltage Engineering

Er. Foster Chileshe Lubasi (Ms) is the Pioneer and Director for the Zambian Centre for Lightning Information and Research

Dr. Stéphane SCHMITT, In charge of product innovation and Head of Marketing

Professor Mohd Zainal Abidin Ab Kadir, PhD is a Professor at the Faculty of Engineering

Dr. Anirban Guha is working as a Faculty Member at the Department of Physics

Prof Ajit Tyagi is currently Member of Working Group on Tropical Meteorological Research of World Meteorological Organisation

Mr. Thapa completed B. Sc. in Agriculture from Tribhuvan University

Prof. Mary Ann Cooper, MD, an emergency physician by training

Shriram Sharma is chariman LARC Nepal, PI, and International Coordinator, Atmospheric and Material Science Research Center

S Gopa kumar, Program & Technical Coordinator, Vidyut Surakshit Bharat Abhiyan

Note: Videos of training are available to participants upon request

Contact

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