

**International Roundtable on**  
**POLICY DEVELOPMENT IN**  
**LIGHTNING HAZARD MITIGATING**  
**STRATEGIES IN COUNTRIES WITH**  
**HIGH GROUND FLASH DENSITY**

*(VIRTUAL MODE)*

**11-12 MAY 2021**

**JOINTLY ORGANISED BY**



CENTRE FOR SCIENCE & TECHNOLOGY OF THE NON-ALIGNED AND  
OTHER DEVELOPING COUNTRIES (NAM S&T CENTRE),  
NEW DELHI, INDIA



CENTER OF EXCELLENCE ON HIGH VOLTAGE ENGINEERING (CEHVE),  
UNIVERSITY OF THE WITWATERSRAND,  
JOHANNESBURG, SOUTH AFRICA



SOUTH AFRICAN INSTITUTE OF ELECTRICAL ENGINEERS (SAIEE),  
LIGHTNING CHAPTER,  
JOHANNESBURG, SOUTH AFRICA



DEPARTMENT OF SCIENCE AND INNOVATION (DSI),  
PRETORIA, SOUTH AFRICA

**ASSOCIATE PARTNERS**



## PROGRAMME

| <b>TIME</b><br>[South African Time] (GMT+2 hrs.)  |   |   |  |
|---|---|---|--|
| <b>Time</b>   | <b>Topic</b>  | <b>Speaker</b>                                  | <b>Affiliation</b>   |
| <b>Day-1</b>  |   |   |  |
| 01:15 pm – 01:20 pm   | Starting of the program                                   | Prof. Pat Naidoo                                | Member, SAIEE-LC   |
| 01:20 pm – 01:25 pm   | Welcome Address   | Dr. Andreas Beutel                              | Chairman, SAIEE-LC   |
| 01:25 pm – 01:30 pm   | Introduction  | Dr. Amitava Bandopadhyay                        | Director General, NAM S&T Centre, New Delhi                                |
| 01:30 pm – 01:35 pm   | The Role of South Africa                                  | Mr. Selby Modiba                                | Deputy Director, Multilateral Cooperation, Dept of S&T, South Africa       |
| 01:35 pm – 01:40 pm   | Purpose of the Event                                      | Prof. Chandima Gomes                            | Director, CEHVE, University of the Witwatersrand                           |
| 01:40 pm – 01:45 pm   | <b>Moderators take up the platform</b>                    |   |  |
| <b>Technical Session 1: Introduction of Speakers &amp; Moderation by Dr. Hugh Hunt (SAIEE-LC) &amp; Mr. S. Gopakumar (TC81-India)</b> |   |   |  |
| 01:45 pm – 02:00 pm   | Accidents and Prevention Strategies Adopted in Sri Lanka  | Mr. Nuwan Kumarasinghe                          | Former Chief Electrical Engineer, Department of Meteorology, Sri Lanka     |
| 02:00 pm – 02:15 pm   | Thunderstorm Related Risks in South Africa                | Dr. Ken Nixon                                   | Member, SAIEE-LC   |
| 02:15 pm – 02:30 pm   | National Heritage in Danger due to Lightning              | Dr. Shri Ram Sharma                             | Director, SALNet, Nepal  |
| 02:30 pm – 02:45 pm   | Major Challenges in Mitigating Lightning Risk in Africa-  | Ms. Foster Lubasi,                              | Director, ZaCLIR, Zambia   |
| 02:45 pm – 03:00 pm   | Lightning Mitigation Efforts Made in Africa               | Prof. Mary Ann Cooper                           | Director, ACLENet, Uganda/USA  |
| 03:00 pm – 03:15 pm   | Global Lightning Density Distribution and Loss Statistics | Mr. Ronald L. Holle                             | Senior Scientist, VAISALA, USA   |
| 03:15 pm – 03:30 pm   | Lightning Safety Module Developed in Colombia             | Mr. Daniel Esteban Villamil,                    | Researcher, Universidad Distrital Francisco José de Caldas-UDFJC, Colombia |
| 03:30 pm – 04:00 pm   | Q&A and Conclusion  | <b>Moderated by Prof. Pat Naidoo (SAIEE-LC)</b> |  |

**Day-2**

**Technical Session 2: Introduction of Speakers & Moderation by Prof. Mary Ann Cooper (ACLENet) and Ms. Foster Lubasi (ZaCLIR)**

|                            |  |   |  |
|----------------------------|--|---|--|
| <b>01:30 pm – 01:45 pm</b> | <b>Lightning Protection Standards</b>  | <b>Mr. S. Gopakumar,</b>  | <b>IEC 62305-TC 81 Mirror Committee, India</b>                               |
| <b>01:45 pm – 02:00 pm</b> | <b>Affordable Lightning Safety Structures for Developing Nations</b>                           | <b>Prof. Chandima Gomes</b>   | <b>Director, CEHVE, University of the Witwatersrand</b>                      |
| <b>02:00 pm – 02:15 pm</b> | <b>Regional Cooperation in Disaster Management Policy Development</b>                          | <b>Dr. Senaka Basnayake</b>   | <b>Climate Resilience Director, ADPC, Thailand</b>                           |
| <b>02:15 pm – 02:30 pm</b> | <b>Real-time lightning mapping and its applications for curbing lightning accidents</b>        | <b>Prof. Robert Jallang'o Akello</b>  | <b>Professor, The Technical University of Kenya</b>                          |
| <b>02:30 pm – 02:45 pm</b> | <b>Government actions against non-standard LP systems</b>                                      | <b>Prof. Zainal Kadir</b>   | <b>Professor, Advanced Power &amp; Energy Research Center, UPM, Malaysia</b> |
| <b>02:45 pm – 03:00 pm</b> | <b>Curbing extreme weather related losses in Zambia</b>  | <b>Mr. Anderson Banda</b>   | <b>Director, Disaster and Risk Management, DMMU, Zambia</b>                  |
| <b>03:00 pm – 04:00 pm</b> | <b>Panel Discussion on Developing National Frameworks for Curbing Lightning Related Losses</b> | <b>Moderated by Prof. Chandima Gomes</b><br><b>Panel:</b><br><b>Prof. Mary Ann Cooper, USA</b><br><b>Prof. Zainal Kadir, Malaysia</b><br><b>Dr. Senaka Basnayake, Thailand</b><br><b>Dr. Shri Ram Sharma, Nepal</b><br><b>Dr. A. Bandopadhyay, Non-aligned Countries</b><br><b>Mr. John Dlamini, South Africa</b><br><b>Mr. S. Gopakumar, India</b> |  |
| <b>04:00 pm – 04:10 pm</b> | <b>Concluding Remarks</b>  | <b>Dr. Amitava Bandopadhyay, NAM S&amp;T Centre</b>   |  |
| <b>04:10 pm – 04:15 pm</b> | <b>Vote of Thanks</b>  | <b>Dr. Hugh Hunt</b>  |  |