



Photo: Shriram Sharma

Scope and Opportunities of Research on Various Facets of Lightning

Online Seminar

December 04 & 05 2020

ZOOM link: <https://uic.zoom.us/j/89596658822?pwd=YVZZT29ydnJRYTI2aUIwMDM3d2lwdz09>

Meeting ID: 895 9665 8822 **Passcode:** 12PP^eNH

Background:

After several successful virtual meetings on lightning protection and safety over the last two months, many questions about research and funding have arisen. We are encouraged to present a two-day seminars aimed primarily for graduate students and others wishing to expand their research, although all are welcome to attend. We have the honor of inviting eminent scientists from around the world to present the scopes and opportunity on the various facets of lightning, trends, challenges, opportunities and potential sources of funding.

This is a kind of global event where students from Asia, Africa, South America, USA and even from Europe are targeted. We anticipate about 500 participants. Since, the main objective of the program is to attract participants towards research in the field of lightning and its various facets and is designed to be a view of the questions that still need to be answered/research pursued – so MS, PhD, or undergrad ideas or for young faculty or others who wish to expand their research, find mentors, and apply for funding

We would like to invite undergraduate & postgraduate students, researchers, engineers, and other aspirants to join the program.

Organizers -

Mary Ann Cooper
ACLENet
macooper@uic.edu

Chandima Gomes
CEHVE at UWits
chandima.gomes@gmail.com

Shriram Sharma
LARC and SALNet
ramhome2@hotmail.com

Foster Chileshe Lubasi
ZaCLIR
chile2015lubs@gmail.com



Program

| Name | Affiliation | Topic | Duration |
|--|--|---|------------|
| 04 December 2020—begins at 1 pm / 1300 UTC* | | | |
| Shriram Sharma | SALNet, Tribhuvan University, Kathmandu Nepal | Welcome Address | 03 mins |
| Zainal Kadir Zainal@uniten.edu.my | Universiti Putra Malaysia, Malaysia | Research opportunities on lightning protection and high voltage engineering | 12 + 3 min |
| Anirban Guha anirbanguha@tripurauniv.in | Tripura University Agratala, India | Research on VLF measurement associating with atmospheric activities. | 12 + 3 min |
| Marcos Rubinstein Marcos.rubinstein@heig-vd.ch | University of Applied Sciences and Arts of Western Switzerland | Tall objects, rocket-and-wire, and lasers in lightning research | 12 + 3 min |
| Foster Lubasi chile2015lubs@gmail.com | ZaCLIR, Zambia | Challenges in R&D in Africa | 12 + 3 min |
| Ron Holle ron.holle@vaisala.com | Vaisala, USA | Lightning occurrence and casualty statistics at regional and global scales | 12 + 3 min |
| Mary Ann Cooper macooper@uic.edu | ACLENet Uganda/USA | Medical and lightning injury prevention research questions | 12 + 3 min |
| Francisco Roman fjromanc@unal.edu.co | National University of Colombia, Colombia | Lightning safety for small structures | 12 + 3 min |
| Chandima Gomes | University of Witwatersrand, South Africa | Q&A Session | 45 mins |
| Foster Lubasi | ZaCLIR, Zambia | Wrapping up with vote of thanks | 03 mins |
| 05 December 2020—begins at 1 pm / 1300 UTC* | | | |
| Mary Ann Cooper | ACLENet, Uganda/USA | Welcome Address | 03 mins |
| Shriram Sharma ramhome2@hotmail.com | SALNet, Tribhuvan University, Kathmandu Nepal | Demanding research on lightning protection of structures and industries in South Asia | 12 + 3 min |
| Mohammed Nayel mohamed.nayel@aun.edu.eg | Assiut University, Egypt | Research on using nano and composite material for improvement of lightning protection and grounding systems | 12 + 3 min |
| Colin Price cprice@flash.tau.ac.il | Tel Aviv University, Israel | Questions to study on lightning and climate change | 12 + 3 min |
| Farhad Rachidi Farhad.Rachidi@epfl.ch | Swiss Federal Institute of Technology Lausanne, Switzerland | Lightning protection of wind turbines: downward versus upward flashes | 12 + 3 min |
| Marcelo Saba marcelo.saba@inpe.br | National Institute for Space Research, Brazil | Research opportunities in lightning photography | 12 + 3 min |
| Earle Williams earlew@ll.mit.edu | Massachusetts Institute of Technology, USA | Research potentials in aerosol, lightning and the global electrical circuit | 12 + 3 min |
| Chandima Gomes chandima.gomes@gmail.com | University of Witwatersrand, South Africa | Who does what? On research conducted by various lightning groups in the world | 12 + 3 min |
| Mary Ann Cooper | ACLENet, Uganda/USA | Q&A Session | 45 mins |
| Shriram Sharma | SALNet Tribhuvan University Kathmandu, Nepal | Wrapping up with vote of thanks | 03 mins |