

11th International Conference of Electric Fuses and their Applications

16/09/2019 - 18/09/2019

The 11th international Conference on Electric Fuses and their Applications takes place on September 16 - 18, 2019, in Athens, Greece.

The conference is organized by the High Voltage and Energy Systems Lab, Department of Electrical and Electronics Engineering, University of West Attica, as well as the FUSE Club and the LAEPT of the Laboratoire de Physique de Clermont, University of Clermont Auvergne, France.

The conference is designed to encourage the exchange of ideas and knowledge between diverse groups of the scientific community concerned by current issues in the Protection of Electrical Systems and components, Electrical Safety and fundamental physics related issues.

All professionals, researchers, engineers and stakeholders involved or interested in the area of the conference are invited to present papers relating to the conference topics. Indicate your preference for an oral or poster presentation. Authors are requested to submit abstracts, through the electronic submission system <http://icefa2019.uniwa.gr/index.php/en/submit>, by March 30, 2019.

The main topics of the symposium include:

1. Electrical safety in the 21st Century.
2. Energy limitation and reduction of arc flash hazards.
3. Fields of applications focusing on :
 - Renewable Electricity : wind, photovoltaics, fuel cells
 - Storage systems protection
 - Advance electronics protection
 - Industrial applications
 - Buildings applications
 - Distribution systems, decentralized production and smart grids
 - Poor power quality environments
 - Electric vehicles and traction applications
4. Safety, performance and trends in DC applications
5. Arcing Phenomena and diagnostics
6. Fuse operation and modeling methods
7. Fuses, circuit breakers and current limiting devices
8. Standardization, testing and labs
9. Technological development and production of fuses
10. Fuses under the EcoDesign and Energy Efficiency of Systems Legislation
11. Fusible wires advanced applications and phenomena
12. Arcing phenomena in porous media and capillaries
13. Fundamental physical and chemical phenomena in fusible wires' operation
14. Advance measuring techniques during fusible wires operation
15. Plasma walls interaction
16. Exploding Wires
17. Pulsed and cyclic loading

Papers presented in the conference will be invited to submit an extended version for potential publication (after review) in a Special Issue in the Journal International Transactions on Electrical Energy Systems (published by Wiley) <https://onlinelibrary.wiley.com/journal/20507038> (IF=1.619)

Extended version of papers in the topics of Plasma Science will be proposed for submission to Plasma Research Express (IOP Publishing). Details on how to submit a paper can be found on the journal's website at <https://iopscience.iop.org/journal/2516-1067/page/submission-options>. Papers will be peer-reviewed and (if accepted) will be published as regular journal articles.