

# FISE - IEEE/CIGRE CONFERENCE 2019

Viviendo la nueva era de la energía

EN EL MARCO DE LA FERIA FISE 2019



Diciembre 4 al 6 | PLAZA MAYOR CONVENCIONES | MEDELLÍN, COLOMBIA

## CALL FOR PAPERS

On behalf of the Organizing Committee, we kindly invite you to submit full papers related to the conference topics for participate as authors. **The deadline to submit your full papers July 31st extended to August 26th.**

For more information about this conference please visit our website: <http://fiseieecigre.co/>  
All accepted papers that are presented at the conference will be sent to IEEE Xplorer and their subsequent publication of the case. If you have any question, please contact us through [fiseieecigre@ieee.org.co](mailto:fiseieecigre@ieee.org.co). To upload your papers following link: <https://easychair.org/conferences/?conf=fiseieecigreconf2019>

## ORGANIZE COMMITTEE



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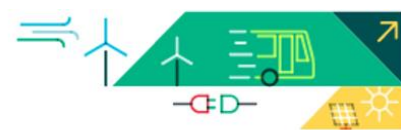
Ernesto Pérez  
Universidad Nacional de Colombia

### Financial Chair:

José David Cely  
Universidad Distrital Francisco José de Caldas

### Staff IEEE:

Melanie Cordon  
IEEE Colombia





## EVENT TOPICS

### EQUIPMENT

- Trends in High, Medium and Low Voltage equipment
- Trends in Electrical generation
- Isolated Systems
- Renewable Energies
- The Network of the future
- Micro grids
- New Materials
- Interoperability and digitization of substations
- Storage, Technology Evolutions
- Storage, Size and Ratings
- Application of Storage in Transmission System
- Application of Distributed Storage
- Storage, Operational Challenges and experiences

### RESILIENCY

- Metrics for Resiliency
- Role of Microgrids
- Experiences from Past Catastrophic Failures
- Undergrounding Transmission Circuits
- Interdependent Infrastructure Coordination – Gas-Electricity, Water-Electricity

### PLANNING AND OPERATION POWER SYSTEMS

- Integrated Generation and Transmission Planning

- Real Time Operational Tools Development
- Big Data for planning and Operational Tools Development
- Demand Response and Demand Management
- Challenges in Control power system with high penetration
- Distribution Energy Resources
- Challenges in Protection power system with high penetration Distribution Energy Resources
- Electric Vehicle to Grid

### POWER SYSTEM PERFORMANCE

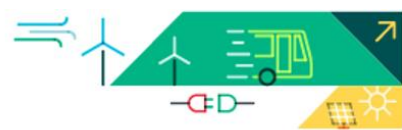
- Risk-based Security Assessment
- Quantifying Severity of Impact
- System Reliability Assessment
- Improvements on Power System Performance
- Power Quality

### POLICY, REGULATION AND ECONOMICS

- New Challenges in Energy integration in Transition
- Off-Grid Policy
- New Businesses in Energy Transition

### SUSTAINABILITY

- Carbon Footprint Reduction
- Challenges for sustainable development
- Environmental Impacts of the transition of electrical systems





## IMPORTANT DATES

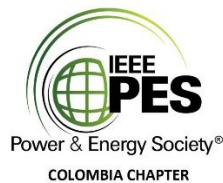
**Complete paper submission:** August 26th, 2019  
**Notification of acceptance and corrections:** October 7th, 2019  
**Corrected articles submission:** October 21th, 2019  
**Conference date:** December 4th to 6th, 2019 – Medellín, Colombia

## TEMPLATE & CONDITIONS

The articles must be submitted in digital format (PDF) through the paper submission page. Papers could be written in **English or Spanish**, titles and abstracts must be only in English. Papers must use the IEEE conference format, can access the templates in this link: <https://www.ieee.org/conferences/publishing/templates.html>.

The maximum length is six (6) pages per article including illustrations and references. Each paper should indicate appropriateness for the scope of the Conference, originality and quality of the technical content, whole organization and writing style. Authors of accepted papers must register for the Conference and attend to present their papers.

## ORGANIZADORES



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