

Call for papers

PAC World Americas Conference 2022

22-25 August 2022

Raleigh, North Carolina, USA

Protection, automation and control specialists from industry and academia around the world are invited to submit abstracts for the PAC World Americas Conference on the following topics:

1. The Future of Electricity – PAC challenges of today and tomorrow
2. PAC and Smart Grid
3. System analysis
4. Standardization and harmonization of system models
5. Wide area monitoring, protection and control (WAMPAC)
6. Wide area disturbances analysis and lessons learned
7. Visualization, situational awareness
8. Synchrophasors, applications and benefits
9. Communications and their applications
10. IEC 61850, tools, applications and benefits
11. Standard protocols and common data formats
12. Cyber security
13. Multifunctional Protection IEDs and their applications in transmission and distribution systems
14. Advanced protection, automation and control functions and applications
15. Centralized Substation Protection and Control
16. Adaptive protection
17. System Integrity Protection Schemes (SIPS)
18. Testing of intelligent devices, distributed functions and systems
19. Power quality
20. Automatic fault analysis
21. Substation automation
22. Distribution automation
23. Smart metering and Home automation
24. Impact of inverter based resources (IBR) on PAC
25. Distributed Energy Resources integration – wind, solar, EV, storage
26. Asset management and condition monitoring
27. Engineering of protection, automation and control systems
28. Protection operation analysis and lessons learned
29. Power system education challenges for professionals and administrators
30. Standardization of protection, automation and control systems
31. Artificial Intelligence applications in PAC systems
32. Any other protection, automation, control and communications related topic

The main goal of the conference is to bring together professionals in the fields of protection, automation, control, communications, DERs and other power system domains in order to learn about the latest developments in the industry and share experience and ideas how we can all work together to make the grid smarter in the most efficient way.

Abstract submission

All abstracts should be around 500 words. The authors should keep in mind that the focus of their papers should be on presenting challenges, applications, solutions and ideas related to the above topics in a non-commercial and practical manner.

Each abstract should be submitted as a Word document and include the following information:

- Topic # (from the list above) that the paper is associated with
- Paper title
- Authors' names
- Authors' affiliation
- Country
- E-mail address of the main author

Abstracts that do not contain this information will not be considered for acceptance.

Abstracts should be e-mailed to pacwac@pacw.org

Papers accepted for oral presentation will be included in the program. Papers accepted for the poster session will also be included in the proceedings of the conference and also used as backup for oral presentation.

Important dates (strictly enforced):

- Abstracts deadline: 31 May 2022
- Acceptance notification: 15 June 2022
- Papers submission: 31 July 2022