IAS IEEE INDUSTRY APPLICATIONS SOCIETY Linking Research to Practice

IEEE Advancing Technology for Humanity

Industrial & Commercial Power Systems Technical Conference

# IEEE Data Center Subcommittee

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*Vice-Chair – Data Center Subcommittee*

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## Industrial & Commercial Power Systems Dept. (I&CPS):

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Part of IEEE's Industry Applications Society (IAS)

**Focus:** electric power generation, transmission, and distribution technology in industrial, commercial, and institutional facilities. It also includes rural or agricultural applications.

I&CPS's annual technical conference brings together both experienced and younger engineers. It features papers and industry presentations on many aspects of industrial and commercial power systems.

I & CPS Industrial & Commercial Power Systems

IEEE IAS I&CPS Department

- PSE | Power Systems Engineering Committee
- PSP | Power Systems Protection Committee
- ESC | Energy Systems Committee
- C&S | Codes & Standards Committee
- REPC | Rural Electric Power Committee
- SDC | Standards Development Committee



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# About the Industry Applications Society's *Data Center Subcommittee*

**IAS Links Research to Practice:** We meet the engineering needs of industry and commerce through the advancement of theory and practice in design, manufacturing, and application.

**Scope of the IAS Data Center Subcommittee:** The treatment of all matters within IAS that specifically relate to Data Center "Gray Space."

- This encompasses electrical supply, distribution, and utilization of equipment on the customer side of the utility meter.
- We are the data center authority for the IAS' Industrial and Commercial Power Systems Dept.

**We Seek Your Subcommittee Participation:** Give back to our industry while raising your profile! Contribute to technical papers, application guides, industry application presentations, thought leadership activities, and learn about many industry-specific topics. We work in cooperation with the Society Standards Department.



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# Agenda

- Data Center Subcommittee Key Activities
- Data Center Subcommittee Marketing Activities
- Data Center Standards Coordination
- Data Center Activities for Conferences



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# Key Activities

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## Subcommittee work

- Recruit/support technical paper development, presentation, and publication.
- Recruit/support technical real world case study and technology presentations.
- Develop new standard ideas and support the technical development of that work.
- Identify existing standards and technologies that can be utilized by Data Center applications.
- Expand thought leadership opportunities to grow the visibility of the subcommittee's capabilities.



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# Marketing Project

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## Work Completed

- Presentation branding and refinement
- Social media posts: promoting members' speaking opportunities and articles that have been completed. Promotion of Data Center workshop during I&CPS conference.
- IAS newsletter update articles; invitations to join the subcommittee
- Trade media list development
- Webpage direction
- Monthly IAS newsletter contributions; Green Computing press release
- Email marketing: Green computing
- Counsel on subcommittee membership growth and ideas
- Liaison with IEEE and IAS on branding needs/standards

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## New Work (In Process)

- Public Relations activities to bring membership to I&CPS Data Center Subcommittee, Data Center Focused Standards Development Workshops, & IAS Annual Meeting
- Support Data Center Workshop held during 2025 I&CPS
- 7x24 Exchange June Conference. Power Quality & Standards (Qais Alsafasfeh)



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## Additional Recommendations 2024 IAS DC SC Meeting

- Increase visibility of our Data Center Activities by converting to a full committee.
- Add participation of Industrial Power Conversion System Department (IPCSD) to expand data center applications that can be included.
- Improve participation by expanding the number of industrial presentations for IAS Annual Meeting & I&CPS conference.
- Include additional invitations for paper submissions to conferences.
- Expand thought leadership participation at additional Data Center focused conferences.



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# Standards Work

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## Standards Activities

- Coordinate with I&CPS Standards Development Committee
  - Deliver information on how existing standards can be utilized for Data Centers.
  - New Data Center Focused standard activities
    - IEEE P3710 “Guide for the Design of Modular Data Centers” PAR has been submitted to NesCom
- Coordination with other IAS Standards Committees
  - Industrial Power Conversion Systems Standards committee
  - Electrical Safety Standards Subcommittee
  - PCIC Standards Subcommittee

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# IEEE Conferences & Committees

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## Conference & Committee Activities

- Recruit more papers for IAS Annual Meeting & I&CPS Conference
- Recruit more data center case study and technology presentations for IAS Annual Meeting & I&CPS
- Investigate improved coordination with Industrial Power Conversion Department.
- Identify additional technical committees that can provide data center application recommendations for thought leadership activities & conference presentations.

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# QUESTIONS?

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## We Welcome You to Join the Data Center Subcommittee!

**Industry professionals are warmly welcomed to join the Data Center Subcommittee.**

- You can help set standards that affect the entire industry.
- Contact Chair Daleep Mohla at dcmohla@comcast.net or Vice Chair Keith Waters at keith.waters@se.com to join or ask questions.

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