



# ITEC2023 Asia-Pacific

2023 IEEE Transportation Electrification Conference and Expo, Asia-Pacific

**Chiang Mai, Thailand | Nov 28 – Dec 1, 2023**

Hosted by	Organizer & Sponsor	Technical Co-sponsors
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**IEEE Joint  
IAS/IES/PELS/  
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Thailand Chapter**



## Co-sponsors



- IEEE Industry Application Society\*
  - IEEE Power Electronics Society\*
  - IEEE Power and Energy Society\*
  - IEEE Transportation Electrification Community
- \*Currently under the proposal submission for approval

### IMPORTANT DATES

Digest Submission Site Opens:	1 April 2023
▶ Digest Submission Deadline:	15 May 2023
▶ Special-Session Submission Deadline:	30 April 2023
▶ Notification of Acceptance:	15 July 2023
▶ Final Manuscripts Submission Deadline:	15 September 2023

The 2023 IEEE Transportation Electrification Conference and Expo, Asia-Pacific (ITEC Asia-Pacific 2023) will be organized and hosted by the Center of Excellence in Electrical Power Technology, Chulalongkorn University and Rajamangala University of Technology Lanna in technical collaboration with the IEEE Joint IAS/IES/PELS Thailand Chapter, and will be held in Chiang-Mai, Thailand between 28 November-1 December 2023.

ITEC Asia-Pacific is part of the global IEEE ITEC conference series which aims to provide a forum for sharing knowledge, experience, and ideas in electrical technologies for transportation. Technical sessions, tutorials, exhibitors, and industry activities are planned. This international conference is co-sponsored by the IEEE Industry Applications Society\*, the IEEE Power Electronics Society\*, the IEEE Power and Energy Society\*, and the IEEE Transportation Electrification Community.

Technical papers accepted and presented at the conference will appear on IEEE Xplore. Accepted and presented papers are eligible for further review for the IEEE Transactions on Industry Applications and other IEEE journals, subject to the conference paper submission rules of each journal.

Calls for Special Sessions, e.g., Industry Sessions, Focused Sessions, Tutorials, and Exhibitor Seminars, will be posted at <https://www.itec-ap2023.com>.

# Conference Topics

- ▶ Power electronics and motor drives
- ▶ Electric machines and actuators
- ▶ Powertrain: design, thermal management, packaging, and optimization
- ▶ Batteries, fuel cells, and energy storage systems
- ▶ Modeling, simulation, control, and prototyping for transportation electrification
- ▶ Electric vehicle system architectures and control
- ▶ Electrification of heavy-duty and off-road vehicles
- ▶ Charging infrastructure, vehicle-grid interaction
- ▶ Charging load forecasting and coordination strategies
- ▶ Wired and wireless charging technologies
- ▶ Electrical systems and components for railway, sea, undersea, air, and space vehicles
- ▶ Functional safety, smart mobility, autonomy
- ▶ Standards and policies for transportation electrification
- ▶ Other major topics on transportation electrification

## Digest Submission

Prospective authors are invited to submit a digest in PDF by visiting <https://www.itec-ap2023.com>. The digest should not exceed **four pages including references**. The digest should explain the problem to be addressed in the paper, key results, and how the contribution differs from existing related literature. Papers presented at ITEC-AP must be original material, not previously presented or published.

If the digest is accepted, authors must submit a final manuscript prior to the deadline below. Late submissions cannot be published in the Proceedings or presented at the conference. The final manuscript can be up to eight pages long, following the IEEE two-column final paper format. Overlength submissions may be subject to additional charges. At least one of the authors listed on each paper must register for the conference. Each registration covers for a single paper, and multiple submissions from the same author will incur additional charges.

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## About Chiang Mai

Chiang Mai is located in northern Thailand and is known for its rich cultural history and numerous temples, making it a popular destination for those interested in experiencing traditional Thai culture. The city is home to many temples, including the famous Wat Phra That Doi Suthep, which sits atop a hill and offers panoramic views of the city. Chiang Mai also offers a variety of outdoor activities such as trekking and rock climbing. It is also famous for its authentic Thai cuisine and lively night markets offering diverse goods and street food.

