

CALL FOR PAPERS

2024 IEEE Electric Vehicles International Symposium (IEEE EVIS-2024)

Morelia, Mexico, 25-26 April 2024

The IEEE Electric Vehicles International Symposium (IEEE EVIS) is the flagship and premier conference venue for researchers and industry practitioners in Mexico for sharing and discussing new research results and ideas in the electric mobility field. IEEE EVIS is a research symposium held in Morelia, Mexico since 2016.

The Fifth IEEE EVIS-2024 will feature high quality plenary sessions given by prominent research and industrial leaders, technical sessions, an industrial exhibition, competitions, courses and a roundtable session. Further, the IEEE EVIS-2024 will be held in a hybrid mode with the in person program taking place in Morelia, Mexico and offering a virtual component for those that choose to participate virtually.

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Call for papers:

Prospective authors are invited to submit high quality technical contributions for presentation at the conference and publication in the IEEE EVIS-2024 Proceedings. Authors are invited to submit a full paper (two column format, 6 pages maximum) according to the IEEE Manuscript Templates for Conference Proceedings available in <https://www.ieee.org/conferences/publishing/templates.html>.

Accepted papers for the IEEE EVIS-2024 will be submitted for inclusion in the IEEE Xplore Digital Library after presenting at the conference.

IEEE EVIS-2024 covers a broad range of topics. The list below identifies several, but are not limited to:

- Energy efficiency and environmental impact
- Control design for electric vehicle components
- Supply auxiliary services for the distribution network
- Electric machinery and power electronics
- Modelling, simulation and analysis of electric vehicles
- Interaction of electric vehicles and distribution systems
- Optimization techniques for electric vehicle fleets
- Communication systems and information security
- Autonomous vehicles and artificial intelligence.
- Embedded generation and renewable sources of energy
- Public policy and promotion strategies
- Vehicle manufacturers and providers
- Energy storage
- Charging infrastructure
- Market issues
- Power quality
- Propulsion systems
- Stability of electric power systems
- Smart grid and smart charging
- Regulation and standards

Call for EV competitions teams:

Competitions will be held as part of the conference. IEEE EVIS-2024 competitions challenge universities and students to design and apply advance technologies to electric vehicles. Prospective participants are invited to register their proposals using the event webpage www.ieee-evis.org in one of the following tracks:

- Low-speed light, two and three wheel electric vehicles.
- Mini battery or solar powered vehicles.

Important dates:

- 1 September 2023: Call for papers publication
- 22 January 2024: Paper submission deadline
- 1 March 2024: Paper notification of acceptance
- 15 March 2024: Final paper submission deadline
- 16 March 2024: Preliminary program
- 24 March 2024: Deadline for early registration
- 25 March 2024: Final Technical program
- 25-26 April 2024: Conference dates

Location and site: The city of Morelia is located in central Mexico, at the foot of the western Sierra Madre and 1,950 m above the sea level. Built in the 16th century, the historic centre of Morelia is preserved intact and received the inscription on the UNESCO World Heritage List in 1991. Morelia occupies an important place in the history of art and culture in Mexico. The “Conservatorio de Música de las Rosas” of Morelia was the first music conservatory in the Americas, while the “Universidad Michoacana de San Nicolás de Hidalgo” (UMSNH) is a public university in Morelia founded in 1540 and the oldest institution of higher education in the Americas. A number of figures associated with the Mexican history, such as Miguel Hidalgo y Costilla, José Maria Morelos and Melchor Ocampo were associated with this school.

Please visit www.ieee-evis.org for more details.

