



# 6<sup>th</sup> IEEE International Conference on Sustainable Energy and Future Electric Transportation (IEEE SeFet 2026)

08<sup>th</sup> July–11<sup>th</sup> July, 2026, Nagpur, Maharashtra, INDIA



## Call for the Research Papers in the **Special Session on SS8: Soft Computing, Evolutionary Algorithms, and Metaheuristic Optimization methods for Modern Energy Applications (SCEMO-MEA)**

### Call For Papers

This special session invites original research on soft computing, evolutionary algorithms, and nature-inspired optimization techniques applied to modern power and energy systems. It invites innovative research on intelligent algorithms applied to generation planning, relay coordination, power system operation and control, forecasting, MPPT, energy management, and multi-objective optimization in renewable energy sources, microgrids, and sustainable transportation. The session aims to provide a collaborative platform for academia and industry to share innovative methodologies and impactful applications in intelligent energy systems.

### Topics (but not limited to):

- Soft Computing Techniques
- Metaheuristic and Evolutionary Algorithms
- Applications in Modern Energy Systems
- Fuzzy and neuro-fuzzy systems
- Evolutionary computation applied to microgrids
- Hybrid algorithms applied to renewable energy sources
- Sustainable transportation.

**Last date for submission:**

**31st January, 2026**

For submitting the Digest through CMT choose '**Create New Submission**' then select

'**SS8: Soft Computing, Evolutionary Algorithms, and Metaheuristic Optimization methods for Modern Energy Applications (SCEMO-MEA)**'.

### Organizers



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**Submission Link:** <https://cmt3.research.microsoft.com/SEFET2026/Submission/Index>

**All the accepted and presented papers will be published in the form of e-proceedings and submitted to IEEE Xplore Digital Library**

(indexed in SCOPUS, Google Scholar, and other major indexing).

**All presented papers will be considered for further review and publication in IEEE Transactions on Industry Applications and IEEE Industry Applications Magazine.**