

IEEE-International Conference on Advanced Materials for Sustainable Clean Energy and Healthcare Technologies 2026 (AMSCEHT-2026)
(Conference with IEEE Record Number #69651)
11-13 September 2026
(Hybrid Mode)

Special Session on

Special Session 03: AI-Driven Advanced Materials and Smart Technologies for Energy and Healthcare Applications

Organized & Co-Chaired by:



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This special session aims to bring together researchers, academicians, and practitioners working at the intersection of Artificial Intelligence (AI), advanced materials, and healthcare technologies. The session will focus on the design, modeling, and deployment of smart materials and computational techniques to enhance energy efficiency, biomedical innovation, and sustainability. The convergence of AI with nanomaterials, biosensors, and renewable energy technologies offers unprecedented opportunities for developing next-generation systems for clean energy, energy storage, and healthcare diagnostics.

TOPICS OF INTEREST, BUT NOT LIMITED TO:

This special session addresses this gap by promoting interdisciplinary discussions on:

- AI-assisted design of nanomaterials for clean and renewable energy systems.
- Computational modeling of advanced materials for energy storage and conversion.
- Intelligent biosensors and biomedical devices for early disease detection.
- Sustainable and environmentally responsible materials for healthcare and energy.

IMPORTANT DATES:

Paper submission opens: November 1, 2025

Paper submission closes: June 10, 2026

Paper acceptance notification: July 10, 2026

Registration deadline: July 20, 2026

Last Date of Camera-ready paper submission: August 10, 2026

Conference Date: 11-13 September 2026

(Note: Authors can register only after their papers have been accepted)

The detailed information can be found here:

Conference URL: <https://amsceht2026.opju.ac.in/>

Paper Submission Link: <https://cmt3.research.microsoft.com/AMSCEHT2026>

(Please Submit Under **Special Session 03: AI-Driven Advanced Materials and Smart Technologies for Energy and Healthcare Applications**)

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