

4th International Conference on Data, Electronics and Computing
Organized By

Indian Institute of Information Technology, Design and Manufacturing, Jabalpur
Baderia Global Institute of Engineering and Management Jabalpur
&
COMSYS Educational Trust, Kolkata, India

Call for papers for
Special Session SS5: 2D Materials and Their Applications



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Important Dates:

Submission Deadline: ~~October 20, 2025~~ October 31, 2025
Acceptance Notification: ~~November 01, 2025~~ November 07, 2025
Registration Due: November 07, 2025
Camera-ready Submission: November 15, 2025

All accepted papers from registered participants will be included in the Conference Proceedings to be published in the Springer book series "Lecture Notes in Networks and Systems". (Applied)

Submission Procedure

Submissions for the main conference must be made online through the following submission link:

<https://cmt3.research.microsoft.com/ICDEC2025/Submission/Index>

or by following <https://www.icdec.org/2025/call-for-paper>.

Papers should be around 10 pages (including figures, tables, references, and the author's affiliation). A paper shorter than 8 pages and longer than 12 pages will not be considered.

List of Topics:

Large-area fabrication of 2D materials
Applications of 2D materials in electronics and optoelectronics: transistors, photodetectors, sensors
Energy storage and conversion devices using 2D materials and hybrid systems
Quantum material and spintronic devices leveraging 2D material properties

Applications of 2D materials in medical diagnostics, drug delivery, and environmental monitoring
Nanocomposites, coatings, and protective layers using 2D materials
AI and ML assisted 2D material discovery and device modelling
Interface engineering, thermal management, and scalability challenges
Integration of 2D materials with elemental and compound semiconductors

NOTE: While submitting the paper in this special session, please specify [Special session: SS5 2D Materials and Their Applications] at the top (above paper title) of the first page of your paper