

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 SS4: Advances in Data Science for NLP, VANET, and Computational Biology

(Hybrid Mode Presentation)

Organizers:

				
Dr. Radha Krishna Jana(Lead) JIS University Kolkata, West Bengal, India radhakrishnajana@gmail.com	Dr. Bidisha Bhabani JIS University Kolkata, WestBengal, India bidisha035810@gmail.com	Dr. Tanaya Das JIS University Kolkata, WestBengal, India tanayadas.das23@gmail.com	Dr. Goldina Ghosh Institute of Engineering & Management Kolkata, West Bengal, India ghosh.goldina@gmail.com	Dr. Subrata Datta Netaji Subhash Engineering College Kolkata, West Bengal, India subrataju2008@gmail.com

Session Description:

This special session aims to bring together researchers and practitioners applying Data Science techniques to Natural Language Processing , Vehicular Ad-hoc Networks , and Computational Biology. The intersection of Data Science with these domains drives innovations in intelligent systems, communication networks, and understanding complex biological processes. The session will focus on recent advances, challenges, and future directions in applying Data Science methods to these areas.

List of Topics:

The session invites submissions on theoretical advancements, methodologies, and applications of Data Science in the following areas:

1. NLP & Data Science

- Text mining and sentiment analysis
- Language models (transformers, BERT, etc.) and their applications
- Multilingual NLP challenges and solutions
- NLP for social media, healthcare, and web data analysis
- Information retrieval and question answering systems

2. VANET & Data Science

- Data-driven approaches for vehicular communication and safety
- Traffic prediction and management using Data Science
- Security and privacy in VANETs with Data Science techniques
- IoT and edge computing in vehicular networks
- Machine learning for VANET routing and performance optimization

3. Computational Biology & Data Science

- Genomics and proteomics data analysis using machine learning
- Protein structure prediction and modeling
- Gene regulatory network inference
- Data Science for biomarker discovery and personalized medicine
- Computational methods for single-cell genomic data analysis

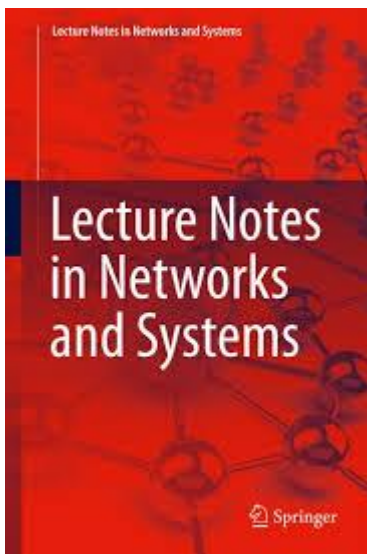
Important Dates:

Submission Deadline:	October 20, 2025
Acceptance Notification:	November 10, 2025
Registration Due:	November 17, 2025
Camera-ready Submission:	November 24, 2025

Submission procedure: <https://www.icdec.org/2025/call-for-paper>

Submissions for the conference must be made online through the Microsoft CMT link. <https://cmt3.research.microsoft.com/ICDEC2025/Submission/Index>. Papers should be around 10 pages (including figures, tables, references, and authors' affiliation). A paper shorter than 8 pages and longer than 12 pages will not be considered. To be reviewed, manuscripts should be prepared in LaTeX or Microsoft Word. Follow the authors' instructions in the Information for Authors of Springer Proceedings of Lecture Notes in Network and Systems (Scopus indexed). The relevant word and LaTeX templates can be found from: <https://www.springer.com/gp/authors-editors/book-authorseditors/manuscript-preparation/5636>. **All accepted and registered papers will be included in the Conference Proceedings to be published in Springer book series "Lecture Notes in Networks and Systems".** It may be noted that a paper may be rejected at any stage, even at the final stage of publication, due to Springer's plagiarism policy to be published in Springer Book Series "Lecture Notes in Networks and Systems".

NOTE: While submitting the paper in this special session, please specify [Special session title: Advances in Data Science for NLP, VANET, and Computational Biology] at the top (above paper title) of the first page of your paper.



Scopus®