



CALL FOR PAPERS

Special Session on “Natural Language Processing and Text mining for Biomedical Data Analysis”

Session Chair(s):

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Theme of Session:

A gradual rise in the availability of genomics and other biomedical data has led researchers in developing Machine Learning models for a wide range of biomedical tasks including speech recognition, named entity recognition, relation extraction, QnA, sentiment analysis semantic role labelling etc. Large language models are evolving which are helping to solve the NLP tasks. Today, bioinformaticians and computer scientists rely on these language models to make the best use of biomedical text, electronic health records, protein, and DNA sequences for various biomedical tasks. In this session we shall look forward for research of Biomedical NLP and how state-of-the-art models are helping scientists navigate through vast and complex biomedical data.

Topics of Interest:

We invite original (un-published) research contributions based on the above-mentioned theme including following topics **but not limited to:**

Topics of Interest:

Deep Learning in Health Care

Biomedical Information Retrieval

Relation Extraction from medical records

Application of Ontologies and Knowledge graphs for Bio/medical data analysis

Question answering in medical or biomedical domain

Dialogue Assistant in medical or biomedical domain

Biomedical Named Entity Recognition

Bioinformatics Applications of NLP

Clinical NER



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NLP based clinical knowledge discovery

Text mining for personalized medicine

Automated database curation techniques for Biomedical domain

Paper Submission Process:

Please submit your paper (in word/pdf format) at

email : m_manu@cb.amrita.edu

with 'Natural Language Processing and Text mining for Biomedical Data Analysis ' mentioned in the subject line.

Program Committee:

- Dr. Premjith B, Assistant Professor, Center for Computational Engineering and Networking, Amrita Vishwa Vidyapeetham, Coimbatore, India
- Dr. Gopakumar , Assistant Professor, Department of Computer Science and Engineering, National Institute of Technology Calicut, Kerala, India
- Dr. Sunilkumar P V, Assistant Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Tamil Nadu, India
- Dr. Kannan Balakrishnan Nair, Emeritus professor, Department of Computer Applications, Cochin University of Science and Technology (CUSAT), Kerala, India
- Dr. Rajeev R R, Programme Head (e-Governance and Development) at International Centre for Free and Open Source Software (ICFOSS), Kerala, India
- Dr Manjira Sinha, Assistant Professor , GS Sanyal School of Telecommunication & joint faculty, Centre of Excellence in Artificial Intelligence, IIT Kharagpur.

For any further queries related to this special session, please contact the session chairs at:

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