



# 3rd INTERNATIONAL CONFERENCE ON MACHINE INTELLIGENCE AND SIGNAL PROCESSING

MISP-2021

(<https://www.misp.nitap.ac.in>)

Organized by

NATIONAL INSTITUTE OF TECHNOLOGY ARUNACHAL PRADESH, INDIA

SEPTEMBER 23-25, 2021

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1. *Title of the Special Session: AI and Machine Learning for Natural Language Processing.*

2. *Details of Session Chair and Co-Chair:*

Session Chair:

Dr. Apurbalal Senapati  
Dept. of CSE  
CIT Kokrajhar

3. *Aims & Scope (Theme of Session):*

The main aim of this special session is to provide an excellent international forum for sharing knowledge and results in model, system, data and applications of AI and Machine learning based Natural Language Processing. Natural Language Processing (NLP) is a subfield of artificial intelligence and plays an irreplaceable role in computer science that helps computers understand, interpret and manipulate human language. The theme of session includes all major fields of the Natural Language processing and Computational Linguistics in theoretical and practical aspects which are relevant to this topic.

4. **Subtopics:**

- Machine Learning models and applications for NLP
- Named entity recognition
- Machine Translation and Multilinguality
- Neural Networks and Deep Learning for NLP applications
- Phonology, Morphology and Word Segmentation
- Language technologies and cultural heritage
- Resources and Evaluation
- Semantics, Lexical and pragmatics
- Corpus linguistics
- ML / DL based hate speech content detection
- Data science in language processing
- Computational neuroscience of language

5. **Technical Programme Committee(s):**

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- 1) Prof. Sukumar Nandi  
Department of Computer Science & Engineering  
Indian Institute of Technology Guwahati
- 2) Prof. Utpal garain  
CVPR Unit  
Indian Statistical Institute, Kolkata
- 3) Dr. Amitava Nag  
Associate Prof.  
Dept. of CSE  
CIT Kokrajhar
- 4) Dr. J. P. Singh  
Dept. of Comp. Science & Engg.  
NIT Patna

6. **Submission Procedure:** Researchers and practitioners are invited to submit papers through the below given easy chair link:

[Springer Author's Guidelines](#)

[EasyChair Submission](#)

All submissions must be original and may not be under review by another publication. The submitted papers will be reviewed on a double-blind and peer review basis.

#### 7. Publications:

All accepted and registered papers under MISP 2021 will be considered for publication in Springer Book Series, "Advances in Intelligent Systems and Computing" (approval pending).

All inquiries should be directed to the attention of Session Chair/Co-Chair:

**Name:** Apurbalal Senapati

**Designation:** Assistant Prof.

**Email Id:** a.senapati@cit.ac.in

**Contact Number:** 8134855097

