

**Special Session on
Towards Responsible AI
at
22nd International Conference on Hybrid Intelligent Systems
HIS 2022
on
World Wide Web
December 13-15, 2021**

<http://www.mirlabs.org/his22/welcome.php>

Objectives and Scope

The rapid advancement of research in artificial intelligence (AI) and AI-enabled technologies has been accompanied by growing concerns about their ethical considerations. As artificial intelligence joins the mainstream technology in diverse applications such as medicine, robotics, autonomous driving etc, demands for greater accountability and explainability must be addressed. The purpose of this workshop is to encourage crucial discussion on the need for accountability in artificial intelligence and effective measures for ensuring the progress of AI in a responsible direction. We invite paper contributions on theory and applications related to (but not limited to) ethics in artificial intelligence, bias measurement, identification and mitigation, novel methods for creating explainable models etc.

Subtopics

The topics include, but are not limited to:

- Fairness
 - Identification of bias in benchmark datasets
 - Measuring bias in ML models
 - Identification of potential risk in models and applications.
 - Mitigation of bias
- Interpretability and Explainability
 - Novel methods for explaining “black -box” models
 - Generating interpretable results for complex models
- Tools and Metrics
 - Novel tools for identifying bias in modern applications
 - Novel metrics for measuring bias and error for creating fair models
- Applications

- Proposal of applications incorporating responsible practices in artificial intelligence across any domain
- Policy
 - Privacy considerations during collection and processing of sensitive data
 - Protection of users from security breaches and moral wrongs at the hands of artificial intelligence
 - Implications of widespread automation and technology shift towards artificial intelligence.

Paper Publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago) <https://www.springer.com/series/15179>
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: <https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

Important Dates

Paper submission due: September 15, 2022

Notification of paper acceptance: November 1, 2022

Registration and Final manuscript due: November 30, 2022

Conference: December 13-15, 2022

Special Session Chairs

- Aboli Marathe, Symbiosis International University, Pune, India
- Rahee Walambe, Symbiosis International University, Pune, India
- Ketan Kotecha, Symbiosis International University, Pune, India

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