

Special Session on
Explainable Artificial Intelligence (XAI) and Societal Impacts
in conjunction with
15th International Conference on Soft Computing and Pattern Recognition (SOCPAR)
December 13-15, 2023
Website: <http://www.mirlabs.org/socpar23>
Hybrid Mode – Online & Offline
Onsite Venues: <http://mirlabs.org/socpar23/venue2.php>

Objectives and Scope

The “Explainable Artificial Intelligence (XAI) and Societal Impacts” is fast emerging as a new field of scientific and technological endeavor aiming to apply AI and related technologies to solve complex social problems in healthcare, sustainability, education, climate change, disaster response, community safety, public welfare, and assisting low-resource communities. Such extensive use of XAI in social domains has many opportunities but also presents challenges and risks. Indeed, issues related to the absence of regulation, discriminatory biases, ethics, trust, privacy, safety, security, human workforce loss, and other negative outcomes must be thoroughly discussed and addressed to scale the use of XAI and achieve a positive social impact. This special session aims to bring together researchers and practitioners working in different facets of these problems from diverse backgrounds to share challenges, new directions, and recent research in the field.

Subtopics

The topics include, but are not limited to:

- Ethical and Trustworthy AI
- XAI for environment and sustainability
- XAI for healthcare
- XAI for education
- XAI for agriculture and biodiversity
- XAI for e-government
- XAI for transportation
- Assistive Technology for Well-Being
- XAI for Social Welfare, Justice, Fairness, and Equality
- NLP and computer vision for social good
- Robots, digital twin, metaverse, hyper-automation for social good
- Generative AI for social good
- Big data, blockchain, and IoT for social good
- Socially Responsible AI: Fairness, Accountability, and Transparency
- AI Fairness, Accountability, and Transparency
- AI interpretability and Explainability

Paper publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (<https://www.springer.com/series/15179>)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Paper 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>
- Submission Link: <https://cmt3.research.microsoft.com/xxxx>

Important Dates

Paper submission due: **September 30, 2023**

Notification of paper acceptance: **October 31, 2023**

Registration and Final manuscript due: **November 10, 2023**

Conference Date: **December 13-15, 2023**

Special Session Chair(s)

- **Dr. Anu Bajaj**, Thapar Institute of Engineering and Technology, Patiala, India
- **Prof. (Dr.) Ajith Abraham**, Machine Intelligence Research Labs (MIR Labs), USA

Information Contact: Ajith Abraham <ajith.abraham@ieee.org>