ICIRA 2023 Special Session Proposal

Title of the Proposal: Reliable AI on Machine Human Reactions

Technical Outline of the Session and Topics:

Outline of the Session:

The reliable understanding of human-machine interaction is essential for intelligent robotics. Extracting valuable insights from information and implementing robust security measures against attacks are also critical components. Recently, researchers have explored reliable AI in real-time learning, robot control, and other cutting-edge technologies. The growing demand for advanced solutions to complex real-world problems has stimulated academic research in this area. This special issue aims to showcase the latest findings and advancements in human-robot interaction using reliable AI, with contributions from experts, engineers, and researchers worldwide. The focus is on innovative theories related to intelligent robotics and AI, emphasizing their practical applications in human-machine interaction.

Topics of the Session:

- *Evaluation and Benchmarking of AI on Machine Human Reactions*
- *Explainability and Interpretability of AI on Machine Human Reactions*
- *Robustness and Security of Machine Human Reactions*
- *Reliable Human Activity Understanding*
- *Reliable Video Understanding*
- *Explainable Smart Medical Systems*
- *Other Advanced Topics of Reliable AI on Machine Human Reactions*

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