



The 16th International Conference on Intelligent Robotics and Applications (ICIRA 2023)

July 5-7, 2023 in Hangzhou, China

ICIRA 2023 Special Session Proposal

Title of the Proposal: Pattern Recognition and Machine Learning for Smart Robots

Technical Outline of the Session and Topics:

Outline of the Session: Intelligence is one of the most important key features of modern robots. The ability of pattern recognition and learning can lead robot with higher intelligence and autonomous operation level. This session focuses on theory, modelling, algorithm, application, etc., in the area of pattern recognition and machine learning, to make robots smarter and more powerful.

Topics of the Session:

- *Image/video enhancement*
- *Machine learning architectures and formulations*
- *Motion and tracking*
- *Optimization and learning methods*
- *Recognition and classification*
- *Transfer/Low-shot/Semi/Unsupervised Learning*
- *Vision for robotics and autonomous vehicles*

Contact details of the Session Organizers

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