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Special Session on Computer Vision in HCI

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Submission Deadline: **TBD**
Author Notification: TBD
Final Manuscript Due: TBD

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Introduction:

The study of computer vision and human system interaction share common background, and the findings from each field has enormously benefited the other. As computation is becoming faster and cheaper, some vision tasks such as image understanding and object recognition, which humans are good at, have been rivaled by computers. It is believed that computers will not replace humans in some difficult tasks that are visually intensive, but will provide human-machine cooperative solutions with more intelligent interactions.

This special session is to reignite conversations between fields of computer vision and intelligent interactions, and to benefit research in the joint field. We encourage submissions that will be of potential cross-disciplinary interest to vision and interaction. Research works of computer vision in HCI are particularly welcome.

Topics of interest include, but are not limited to, the following areas:
* Computer Vision
* Human Computer Interaction
* Biology Inspired Computer Vision
* Understanding of Human motions (action, gesture eye gaze etc.)
* Face Perception and Recognition
* Visual Computing and Interaction in Virtual Environment
* Machine Learning for Visual Computing and Intelligent Interaction
* Deep learning for Computer Vision in HCI

General Co-Chairs:

Junyu Dong, Ocean University of China, China
Lin Qi, Ocean University of China, China
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Accepted papers must contain novel results. Results can be either theoretical or empirical. Results will be judged on the degree to which they have been objectively established or their potential for scientific and technological impact.