Human Behavioral Analysis for Face and Gesture: Pathways to automation

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Message from the Guest Editors

Recent advances in imaging and sensing have enabled rapid growth in the field of human behavioral analysis.
This Special Issue focuses on datasets/data sharing, technological challenges in the analysis/measurement of human behaviors, the implication of human behaviors for clinical/healthcare applications and human perception/psychology/physiology on human behaviors. We welcome original works that address a wide range of issues, including, but not limited to:

- Subtle/micro face and gesture movements analysis;
- Technology in automated human behavior measurement;
- Machine learning and deep learning in human behavior analysis;
- Real-time face and motion analysis;
- Face and motion recognition on mobile devices;
- Analysis of human motion for clinical application;
- Face analysis for clinical application;
- The cost advantages of behavior technology in-the-wild;
- Uniting sensing and wearable technology;
- Novel datasets for human behavioral analysis;
- The study/pilot of symmetrical analysis on face and gesture and its implications.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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