



Title:

Learning-Based Multimedia Analyses and Applications

Abstract:

The methodologies on multimedia analysis usually combine different sources of information such as text, audio, and images to solve a variety of practical tasks related to advertisement, education, art, and so on. In recent years, machine learning has gained much popularity and has been intensively applied to deal with various multimedia problems. However, massive problems still remain unsolved on both algorithm design and multimedia applications.

This workshop is devoted to the publication of high quality papers on technical developments and practical applications around learning-based multimedia analyses and applications. It also will provide a stage for recent advances in the fields of multimedia representation, modeling, analysis, mining, retrieval, and so on.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Novel deep neural networks for multimodal/multiview data analysis
- ✧ Sparse representation and coding for information integration and organization
- ✧ Manifold learning, subspace learning, and dimensionality reduction for social image analysis
- ✧ Optimization in multimedia computing
- ✧ Multimedia applications such as recommendation, retrieval, and social network
- ✧ Video/audio representation and analysis

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He received his M.S. degree in computer science from South China University of Technology, China, in 2007, and PhD in computing science and technology from Hunan University, China, in 2014. From 2002 to 2010, he was a lecturer in South China Normal University. Since 2014, he has been an associate professor at the Jiangnan University, China. His research interests include information security, digital image forensic, machine learning and image processing. He has authored over 30 papers in relative areas.

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His research interests are in the network access optimization. He received M.Sc degree in the School of Electronics and Engineering at University of Edinburgh in 2007 and B.Sc in the School of Electronics and Information Engineering at Dalian University of Technology in 2006. He received PhD degree in computing science and technology from Dalian University of Technology, China, in 2016. Now, he is a lecture of University of Exeter. His major research interests include machine learning, object detection, and pattern analysis.

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