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CALL FOR PAPERS:

2014 International Conference on
Security, Pattern Analysis, and Cybernetics

October 18 - October 19, 2014

Huazhong University of Science and Technology, Wuhan, China



Location:

The 2014 SPAC will be held at the Huazhong University of Science and Technology, Wuhan, China

Sponsors:

Huazhong University of Science and Technology, Wuhan
IEEE Systems, Man and Cybernetics Society

The 2013 International Conference on Security, Pattern Analysis, and Cybernetics provides an international forum that brings together those actively involved in information science and engineering, security, cybernetics, and pattern analysis, to report on up-to-the-minute innovations and developments, to summarize the state-of-the-art, and to exchange ideas and advances in all aspects of security, pattern analysis and cybernetics.

Contributions covering theoretical developments and practical applications, including but not limited to the following technical areas, are invited:

Topics:

1. **Machine Learning, Pattern Analysis, Signal and Image Processing**
 - Image De-noising/Restoration/Segmentation/Grouping; Color and Texture
 - Shape representation and matching;
 - Shape modeling and encoding; 3D shape recovery
 - Occlusion and shadow detection; Stereo and multiple view geometry
 - Reconstruction and camera motion estimation
 - Object Detection/Recognition/Tracking/Categorization
 - Face and gesture analysis; Medical image analysis
 - Feature selection, Dimensionality reduction, Manifold learning
 - Active and ensemble learning; Deep learning; Transfer learning
 - Semi-supervised learning and spectral methods
 - Image-based modeling; Model selection; Reinforcement learning and temporal model
 - Statistical/Kernel methods and Support Vector Machines
2. **Information security and Anti-Counterfeit**
 - Digital watermarking; Multidimensional code; Cryptography; Network penetration
 - Anti-Counterfeit material; Internet protocol
3. **Big Data Processing and Application**
 - Big data storage and management, parallel computing; Cloud computing;
 - Ranking and recommendation
 - Social networks analysis and web mining
4. **Artificial intelligence and Cybernetics**
 - Robotics & control systems; Fuzzy systems and applications
 - Expert and knowledge-based systems
 - Cybernetics for informatics

This conference is technical sponsored by IEEE SMC Society and all accepted full papers should be listed in IEEE Xplore. In addition, revised and extended versions of 25 selected papers will be recommended for publication in special issues of SCI indexed journals.

Important Dates:

September 2, 2014 Paper Submission Deadline

September 20, 2014 Notification

September 30, 2014 Camera-ready Submission

Conference Website:

For more information, please visit <http://ei.hust.edu.cn/conference/SPAC2014/> or <http://www.cis.umac.mo/cybernetics/SPAC2014/>

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