

Call for Papers

IEEE Transactions on Systems, Man and Cybernetics – Part A

Special Issue on Advances in Biometrics: Theory, Applications and Systems

Biometrics is a broad and interdisciplinary field that is concerned with the development of systems for the determining or verifying the identity of persons. The field is growing rapidly in recent years, with new biometric modalities being pioneered and existing modalities being fielded for larger and more challenging applications. This special issue seeks to capture a snapshot of the current state of art, both in important advances in proven areas of biometric technology and in soundly-conceived and rigorously evaluated new biometric technologies. Topics of interest include, but are certainly not limited to:

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security and privacy concerns	iris biometrics
anti-spoofing methods	face recognition: 2D, 3D, infra-red, ...
performance evaluation	speaker recognition
usability studies	fingerprint, palmprint, ...
effects of template aging on accuracy	writer recognition
covariate analysis	ear biometric technologies
multi-biometric fusion	recognition by gait
feature analysis	hand shape / geometry biometrics
new classifiers and features	new biometric modalities

The Systems, Man and Cybernetics Society has a long and continuing interest in the biometrics area, as represented by special issues in their Transactions and by SMC sponsorship of the IEEE International Conference on Biometrics: Theory, Applications and Systems.

Guest Editor:

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Projected Schedule:

Paper submission:	November 30, 2008
Notification:	February 28, 2009
Revisions:	April 30, 2009
Final Notification	June 30, 2009

Submission Details:

For detailed submission information, refer to the “Information for Authors” on the IEEE SMC site: <http://www.ieee-smc.org/publications/index.html>

Electronic submission for the IEEE Transactions on Systems, Man and Cybernetics – Part A: <http://mc.manuscriptcentral.com/smca-ieee>

Include in the “Author comments to Editor-in-Chief” section the following – “This submission is intended for the special issue on Advances in Biometrics: Theory, Applications and Systems.”