

## Call for Papers

### Special Section on Face Perception and Recognition

The IEICE (Institute of Electronics, Information and Communication Engineers) Transactions on Information and Systems announces a forthcoming Special Section on Face Perception and Recognition to be published in March 2013 as a special section of Transactions on Information and Systems. With recent advances in physical / physiological measurement technologies, engineering approach to face perception and recognition have been changed in recent years. Those researches are widely spread not only in the engineering field but also collaboration with neuroscience and psychology, leading to new capabilities in industrial areas such as such as medicine, cosmetics, healthcare, and entertainment. The scope of this special section is to publish recent progress and state-of-the-art in these and related areas focusing:

The topics of this special section to be covered include, but are not limited to:

- Sensing and Measurement of Face  
Feature Extraction, Depth Image, 2D/3D Analysis and Deformation, Range Data and 3D Analysis, Motion and/or Image Sequence Analysis, Color Image Analysis
- Characteristics of Face  
Age-related change in facial appearance,
- Physiological Characteristics of Face  
Face perception and recognition by using fMRI, NIRS, EEG, MEG, and dynamical analysis by using EMG and other physiological signals
- Affective and Psychological Model of Face Cognition  
Feature extraction, modeling and interrelationship of Individuality, Gender, Category, Emotion, Consciousness, Intention, Impression and Speech regarding face.
- Face Recognition and Face Simulation/Animation  
Recognition of 2D/3D images, Computer Graphics, Morphing, Caricature, Face Composition, Facial animation, Pattern Recognition, Learning feature spaces/manifolds and Neural Networks
- Applications  
Medicine, Therapy, Education, Cosmetics, Interactive systems, Surveillance, Healthcare, and Entertainment.

#### Submission Schedule

Manuscript Due: June 10, 2012

First Round of Reviews: August 14, 2012

Publication Date: March 1, 2013

#### Guideline for paper submission

Prospective authors are encouraged to submit a PDF and electronic source files (TeX/Word files, figures, authors' photos and biography) of an original, unpublished manuscript in to the following address by June 20, 2012. IEICE online submission URL: [https://review.ieice.org/regist\\_e.aspx](https://review.ieice.org/regist_e.aspx)

1. Authors should choose the "[Special-ED] Face Perception and Recognition" as a "Type of Issue (Section)/Transactions" on the online screen. Do not choose "[Regular-ED] Information and Systems" or other special sections.
2. Send "Signed Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" to the following contact person by postal mail, FAX or E-mail until June 10, 2012. We cannot start the review process without them, even if we receive the manuscript.

Manuscript should be prepared according to the guideline given in the "Information for Authors." [http://www.ieice.org/eng/shiori/mokuji\\_iss.html](http://www.ieice.org/eng/shiori/mokuji_iss.html). It is recommended that the lengths of a paper and a letter for this special section are within 8 and 2 printed pages, respectively.

\* Please note that if accepted, all authors, including authors of invited papers, should pay for the page charges covering partial cost of publication. Authors will receive 50 copies of the reprint.

#### Special Section Editorial Committee (tentative)

Guest chief editor: Shigeru AKAMATSU (Hosei University)

Guest editorial manager: Kenji SUZUKI (University of Tsukuba), Miyuki KAMACHI (Kogakuin University)

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#### Technical Supports:

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#### Contact and Inquiry on this special section

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\*At least one of the authors must be an IEICE member when the manuscript is submitted for review. We recommend that authors unaffiliated with IEICE apply for membership. For membership applications, please visit the web-page, <http://www.ieice.org/eng/member/OM-appli.html>