

**Special Issue on Perceptual Deep Learning  
in Computer Vision and its Application**

**Call for Papers**

Artificial intelligence (AI) gives computers the ability to see what's happening in the world around them. Recent developments have led to the widespread use of deep learning (DL) based on image sensors. DL has become a highly successful method employed in imaging and computer vision. Although the existing technology has matured, its performance is still affected by various environmental conditions, and recent methods have attempted to fuse DL techniques with conventional methods to guarantee higher accuracy. The goal of this Special Issue (SI) is to highlight state-of-the-art works that deal with the use of DL for computer vision (CV). Papers on both theoretical studies and practical applications are welcomed. Submitted papers should present original, unpublished work relevant to one of the topics of the SI. All submitted papers will be evaluated on the basis of relevance, the significance of the contribution, technical quality, scholarship, and the quality of presentation by at least two independent reviewers.

**Scope:** (including but not limited to)

1. DL using image sensors in understanding and recognition, etc.
2. DL using image sensors in biometrics and spoof detection, etc.
3. DL using image sensors in object detection and tracking, etc.
4. Object recognition and scene understanding using CV & language.

**Guest Editor:** Prof. Chih-Hsien Hsia  
(Dept. Computer Science and Information Engineering, National Ilan University, Taiwan)

**Important Dates:**

Submission deadline: ~~January 15, 2020~~ extended to ~~February 29, 2020~~ extended to **March 15, 2020**

First round decision: March 30, 2020

First round revision submission: April 30, 2020

Second round decision: June 15, 2020

Second round revision submission: July 30, 2020

Final decision: September 01, 2020

Tentative publication: November/December. Issue 2020

**Journal website:** <https://myukk.org/>

**Submit to:** Online Manuscript Submission System (<https://myukk-org.ssl-xserver.jp/form/>)

**(Attention)**

As stated in Instructions to Authors in the Guidelines, the author(s) will be obliged to pay the publication fee upon the acceptance of the manuscript for publication (for example, JPY 99360 for 10 pages in *Sensors and Materials* format). If the quality of the English of your manuscript does not satisfy the journal standards, the authors should bear the proofreading fee (JPY 10000–15000), which will be charged with the publication fee.

If you have any questions, please feel free to contact the editorial staff at the address below.

Editorial Department of *Sensors and Materials*

MYU K.K.

1-23-3-303 Sendagi, Bunkyo-ku, Tokyo 113-0022, Japan

Tel: +81-3-3827-8549, Fax: +81-3-3827-8547

E-mail: [myukk@myu-inc.jp](mailto:myukk@myu-inc.jp)

