

IEEJ Transactions on Electrical and Electronic Engineering  
Special Issue on “Rethinking Computer Vision Technology for Surveillance and Smart City Applications”

With the emergence of digital devices and the trend to capture images, Computer vision technology has been playing a vital role. Use of CCTV cameras, digital cameras, surveillance drones, rapid increase in Internet of Things (IoT) technology with numerous other technologies like grid computing, cloud computing, edge computing, etc. enhances the process of digital imaging. Computer vision technologies for surveillance of various infrastructures and devices improve the quality of monitoring and control of smart cities remarkably. In smart cities, there are many possible applications of computer vision, such as self-driving traffic, facility entry/exit management, resident health monitoring, infrastructure inspections such as roads and power distribution networks and grids, data communication networks, crime prevention, disaster prevention, and unmanned stores. This special issue focuses on the process of smoothening and empowering digital images' response as well as reforming computer vision from surveillance and smart city applications point of view. As an example, the applications of artificial intelligence speed up the process and improve decision making. Thus, this special issue plays a vital role towards rethinking computer vision technology for enhanced surveillance and smart city applications.

Please note that the manuscript may be published not as a Special issue paper in the Special issue but as a general paper in a TEEE(C), if the manuscript is not accepted by the deadline of publishing for the Special issue.

#### IMPORTANT INFORMATION

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| Special Issue:                | IEEJ TEEE C, Vol.19, Issue 7, 2024   |
| Deadline of paper submission: | August 31, 2023  |
| Submission method:            | Submissions are accepted via the paper management system. Please visit the following website for electrical submission:<br><a href="https://submit.iee.or.jp/main/cgi/sstk-top.cgi">https://submit.iee.or.jp/main/cgi/sstk-top.cgi</a> |

#### NOTES

1. Follow the IEEJ paper submission guide (<https://www.iee.jp/en/pub/guideline/>) in preparing papers.
2. In submitting papers, select "TEEE C(Electronics, Information and Systems)" on the " Paper, Technical Note and Letter Submission" screen of the paper management system, and then select the manuscript type (either paper or letter). In addition, select "Rethinking Computer Vision Technology for Surveillance and Smart City Applications" from special issue theme.
3. The submissions by e-mail or postal mail will not be accepted.
4. Papers that cannot be published in the special issue due to peer review or the number of submissions are treated as general papers.

#### CONTACTS

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