# Special Issue

# Recent Advances in Pixel-Wise Image Understanding

**Message from the Guest Editors**

Pixel-wise image understanding is a critical area of research in computer vision that aims to analyze images at the pixel level to infer semantic information such as object boundaries, textures, and scene understanding. This area of research has a wide range of applications, such as robotics, autonomous driving, and multimedia. We believe that pixel-wise imagery analysis can provide elaborate analysis results and facilitate other more high-level semantic understanding tasks. **For this Special Issue, we welcome contributions related to, but not limited to, the following:**

- Semantic segmentation/instance segmentation;
- Image super-resolution;
- Crowd counting/object density estimation;
- Image generation/translation/synthesis;
- Depth/height estimation;
- Optical/traffic/crowd flow prediction;
- Road network detection;
- Change detection;
- Pixel-wise labeled dataset;
- Other tasks on pixel-wise classification or regression.

**Guest Editors**

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**Deadline for manuscript submissions**

closed (15 November 2023)

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# About the Journal

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*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## Editor-in-Chief

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