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Computer Vision and Deep Learning: Trends and Applications (2nd Edition)

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Message from the Guest Editors

The aim of this Special Issue is to discuss the latest innovations in deep learning technologies applied to computer vision and image processing contexts from a software development company perspective. The Special Issue will focus on:

- **No-Code Deep Learning**—a way of programming DL applications without having to go through the long and arduous processes of pre-processing, modeling, designing algorithms, collecting new data, retraining, deployment, and more;
- **TinyDL**—IoT-driven; while large-scale machine learning applications exist, their usability is fairly limited;
- **Full-Stack Deep Learning**—a form of wide spreading of deep learning frameworks;
- **General Adversarial Networks (GANs)**—a way of producing stronger solutions for implementations such as differentiating between different kinds of images;
- **Unsupervised and Self-Supervised DL**—as automation improves, increased data science solutions are needed without human intervention;
- **Reinforcement Learning**—where the machine learning system learns from direct experiences with its environment;
- **Few-Shot, One-Shot, and Zero-Shot Learning**—few-shot learning focuses on limited data.

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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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