

Special Issue

Bionic Vision Applications and Validation

Message from the Guest Editors

This Special Issue will focus on 2D/3D imaging technologies, emphasizing the enhancement of resolution, speed, and precision through bionic approaches. Intelligent perception technologies that leverage the synergy of multiple sensory inputs to augment system robustness and accuracy are of particular interest. We welcome case studies that demonstrate the application of these technologies in intelligent manufacturing, autonomous driving, and medical image analysis, showcasing their practical utility and transformative potential. Interdisciplinary research that fuses principles from biology, computer science, and engineering to advance vision systems is strongly encouraged. We are especially interested in submissions that not only report novel findings but also propose innovative solutions to existing challenges in the field.

Guest Editors

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