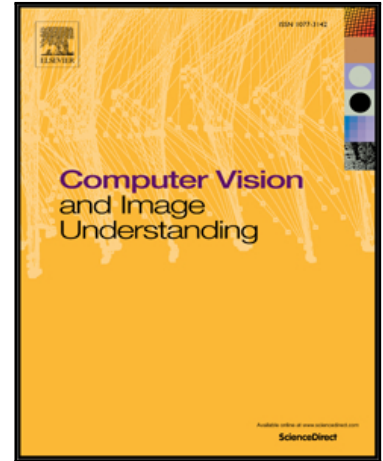


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Bio-Inspired Computer Vision: Towards a Synergistic Approach of Artificial and Biological Vision

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Highlights

- We present an overview of computational approaches to biological vision.
- We developed a task centered presentation of biological vision studies.
- We revisit three tasks: image sensing, scene segmentation and optical flow.
- We show how new computer vision methods could be developed from biological insights.
- We identify key taskspecific biological vision models which could be scaled up.

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