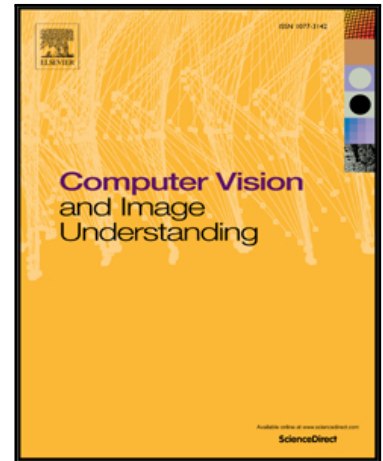


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Unified Optimization Framework for Localization and Tracking of Multiple Targets with Multiple Cameras

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Highlights

- A unified optimization framework that incorporates both spatio-temporal data association and 3D trajectory estimation.
- A new cost function for multi-camera multi-target tracking that models 3D physical properties.
- An alternating optimization scheme for both discrete assignment variables and continuous location variables.
- A new guided random search scheme to solve multidimensional assignment problem efficiently
- Validation of accuracy and robustness in tracking, and efficiency in computation and memory usage.

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