

Best Paper

»Impact on Science«

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Shading-Aware Multi-view Stereo

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Contribution

Robustly reconstructing surfaces with multi-view stereo is a long standing problem with large impact on numerous real world applications.



This excellent paper presents a novel algorithm that efficiently combines the well known stereo energy term with a shading-based energy in a single, combined approach. In contrast to previous multi-view stereo algorithms with subsequent shading based refinements the reconstruction results can be significantly improved.