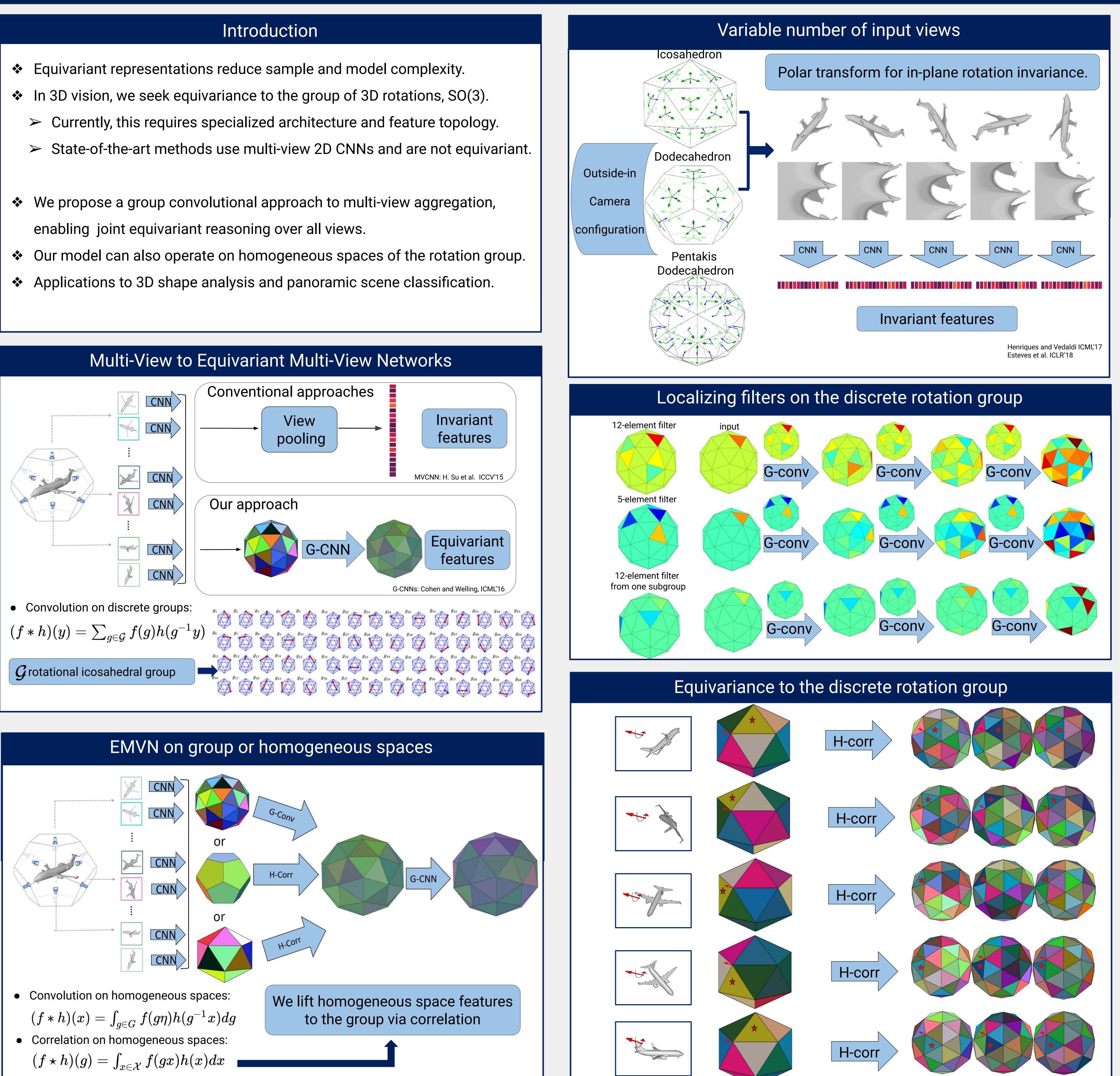
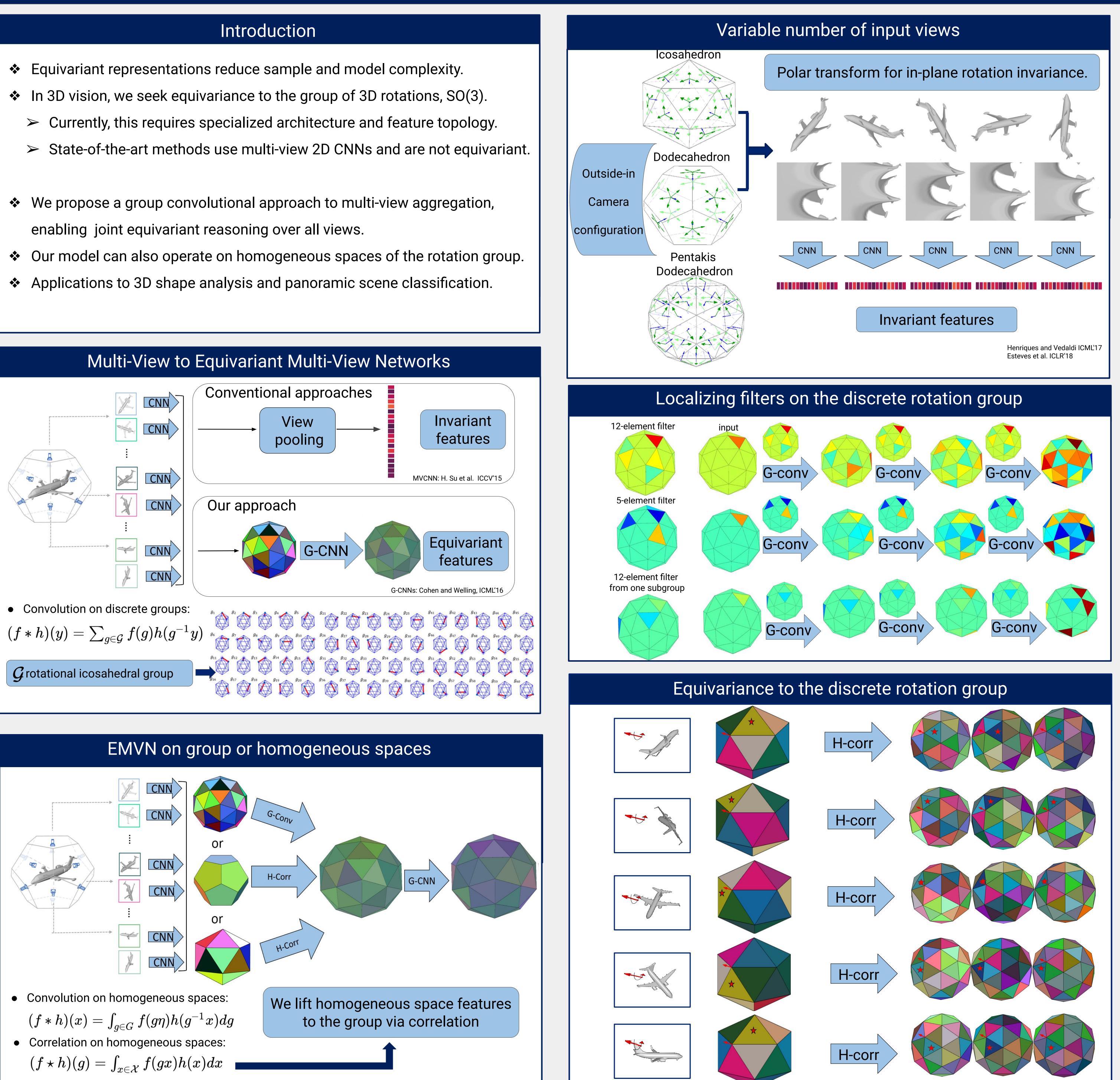


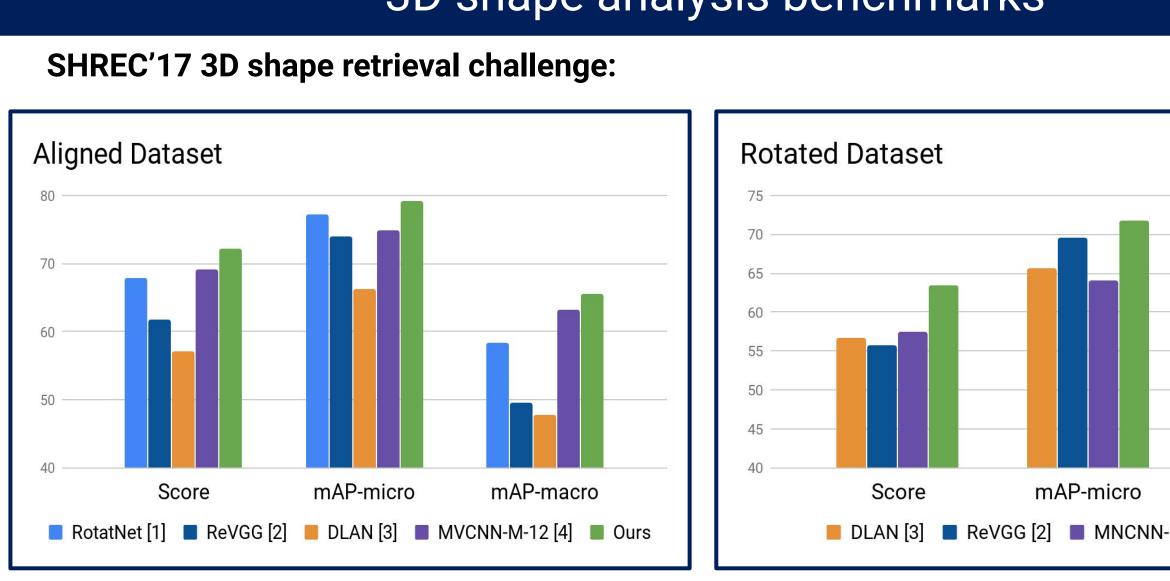
- enabling joint equivariant reasoning over all views.



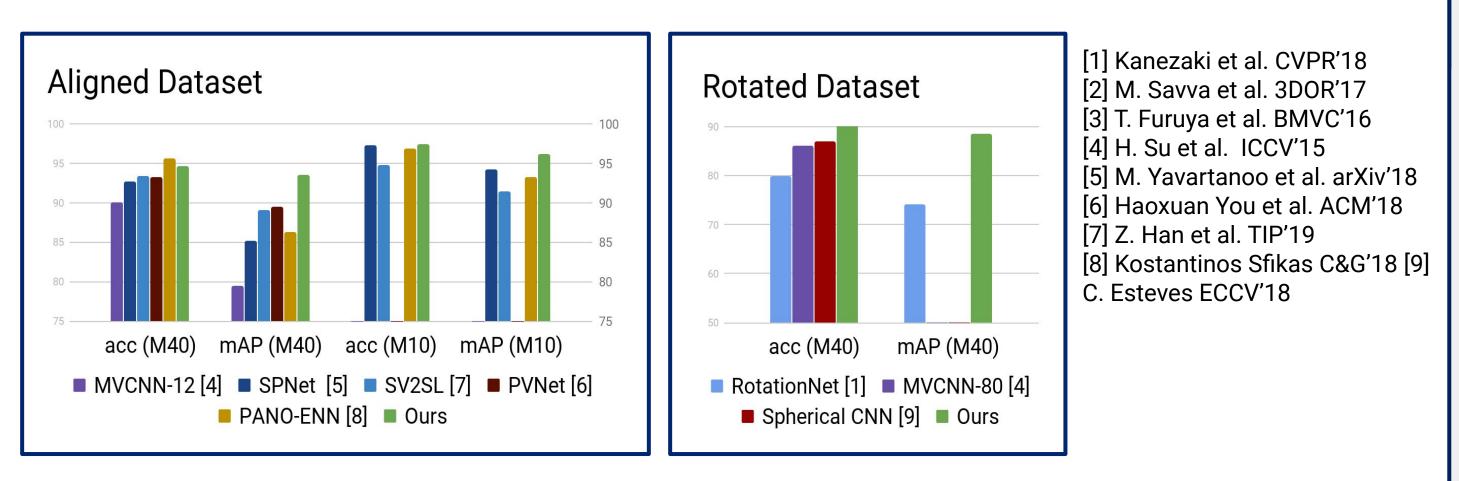


Equivariant Multi-View Networks Carlos Esteves* Christine Allen-Blanchette Yinshuang Xu*

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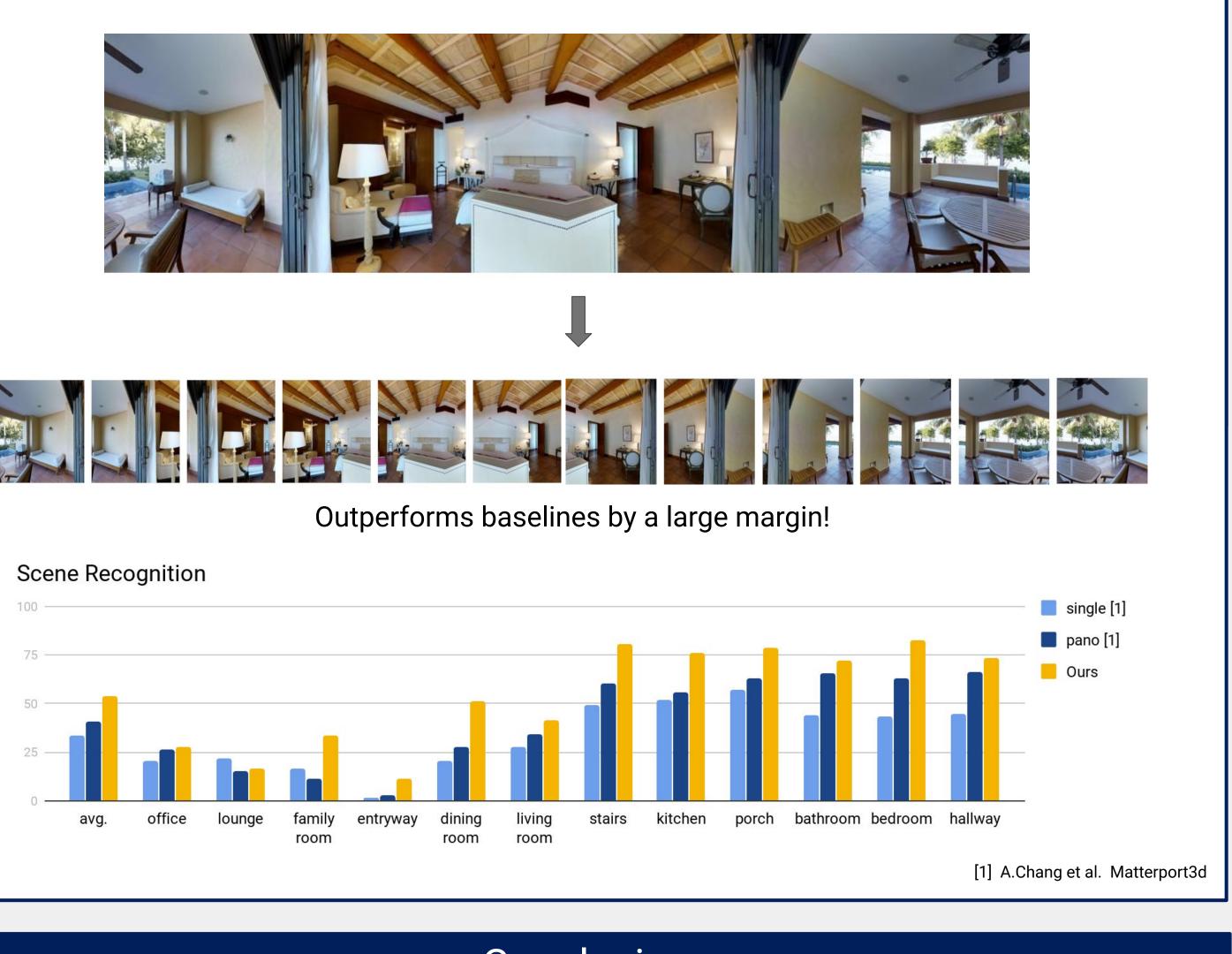


Modelnet classification and and retrieval:









- We surpass the state of the art on several 3D shape analysis benchmarks.
- Our code is available at https://github.com/daniilidis-group/emvn

Kostas Daniilidis



mAP-macro

3D shape analysis benchmarks

Panoramic scene recognition (Matterport3D)

Conclusion

We combine the power of conventional CNNs with the robustness of equivariant CNNs, enabling joint equivariant reasoning over multiple views.