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**Kathryn Leonard\*** ([kathryn.leonard@csuci.edu](mailto:kathryn.leonard@csuci.edu)). *Two-dimensional shape analysis: Case studies from industry.*

We present a few projects in geometric two-dimensional shape analysis arising from specific needs of collaborators at software and robotics firms and U.S. government agencies. After an overview of the scientific questions involved, we will discuss the mutual benefits to industry and academia of these kinds of intellectually cross-cultural collaborations. (Received September 23, 2012)