

**Title:** One small step for Creo Modelers, One Giant Leap for “Grey Beards”: Using MBD methodologies to launch astronauts and hardware to near-Earth objects such as asteroids, the Moon and Mars

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**Abstract:** This presentation will focus on the modernization of design and engineering practices through the use of Model Based Definition methodology. By gathering important engineering data into one 3D digital data set, applying model annotations, and setting up model view states directly in the 3D CAD model, model-specific information can be published to Windchill and CreoView for use during the Design Review Process. This presentation will describe the methods that have been incorporated into the modeling