Abstract

Using VBA and ArcGIS to Create and Export 3D Buildings
Track: New Technology and Technology Integration
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Layers in ArcScene containing polygon features can be extruded to create 3D blocks for display in the current scene. While this is useful for representing flat-roofed buildings within ArcScene it does not create a new, 3D shapefile and does not create buildings with peaked, or curved roofs. A method to create 3D shapefiles representing buildings with complex roofs and then export these objects to VRML was developed using a combination of VBA scripts and innovative editing of 3D shapefiles in ArcGIS.

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