

Automation in a World of Endless Parts and Pieces

Tim Catalano – BIM Technology Coordinator – RK – Denver, CO.

Jubel Beren – BIM Technology Coordinator – RK – Denver, CO.

Over the last few years I have been teaching various ways to automate Autodesk Fabrication. Via reports, scripting, lisp, and .net. Last year, one comment I got from someone who attended was about an interest in seeing more examples. So in class this year my colleague Jubel Beren and I will be presenting many of our main automation projects that our company depends on for our day to day business, much of which begins in either scripts, lisps, or .net. I'll also be discussing our rationale behind automation and how we've gotten so deep. I'll be sharing a bit about how I got to where I am in my company in relation to development from a 3d modeler just 8 years ago. I hope that our work inspires you and your company to dig deeper or try new things to help make your work faster and more efficient, or to enable more complex workflows that were not previously practical or even possible.

Learning Objectives

- Understand the benefits of automation
- Be compelled to try new ways to enable the computer to do the work
- Get fresh ideas
- Learn how various technologies are required to have a working solution

About the speakers

Tim Catalano - Building Information Modeling (BIM) technology coordinator by day, media enthusiast by night (and during the day, too), Tim Catalano has been working with all aspects of BIM, design, and media software and hardware technology for over 19 years. He designs fabricated structural assemblies and manages CAD/BIM hardware and software. He also develops tools for his organization, as well as tools in the Autodesk Exchange for a wider audience—and even custom tools for audio processing and fun tools for his phone. There's a ton of knowledge jammed into his head that he would like share with the greater community.

Jubel Beren - Jubel Beren is the Building Information Modeling (BIM) technology coordinator at RK Mechanical, Inc., in Denver, Colorado. His duties include, but are not limited to, managing the Autodesk, Inc., Fabrication software products. He maintains the Fabrication database for CamDuct, CadDuct, and Remote Entry, as well as trains the team on all 3 products. He has been using Fabrication software for 15-plus years, and he has trained others on the software worldwide.