



AutoGen: Commercialization

Use Cases

Greg Dobson

Simulation Based Design Center

University of New Orleans

March 29, 2007

- Capture current level of automation
- Map future plans for automation
- Identify obstacles to automation
- Specify application of AutoGen
- Other applications beyond welding

- Platform
 - Windows
 - Unix
- Application
 - Batch processor
 - Stand-alone interactive application
 - Plug-in to other application
 - Kernel of routines

- Data I/O: format & content
- Graphical user interface
- Customization requirements
 - Workcell definition
 - Weld attribute database
 - Welding rules
 - Process rules

- Manufacturing Processes
 - Material Handling
 - Blasting and Painting
 - Cutting
 - Fairing
 - Bending/Forming
- CAD analysis
- General path planning

- Survey
- Telephone interviews
- Organized meetings
- Email reviews
- Need initial point of contact *(if different)*

Gregory T. Dobson, Ph.D.
Site Director

UNO Simulation Based Design Center

Station 721-1-1
5100 River Rd.

Avondale, LA 70094-2706

(504) 654-2773

(504) 654-3880 (fax)

greg.dobson@gcrmtc.org