Agenda

- 09:30 -10:45  Solid Edge ST8
- 10:45 - 11:00  Break
- 11:00 - 12:00  Visualisation & Work Instructions
- 12:00 - 13:00  Solid Edge Tips & Tricks
- 13:00 - 14:00  Lunch
- 14:00 - 15:00  Solid Edge SP Data Management
- 15:00 - 16:00  Solid Edge Automation Through Programming
- 16:00 - 17:00  Drinks Reception & CAD Clinic
Majenta PLM / Siemens Solid Edge Team

Here today:
- Paul Abbott - Solid Edge Business Development
- Jon Sutcliffe - Solid Edge Technical Manager
- Dave Rothan - Software Development Manager
- Luke Wawrzyniak - Technical Consultant
- Kirstie Rutter - Account Manager

Back at base:
- Ed Reszka - Technical Consultant
- Amy Jenkins - Technical Consultant
- Steve Slater - Technical Consultant
- Sammy Field - Helpdesk Coordinator
- Louisa Paine - Helpdesk Coordinator
Siemens Solid Edge & Femap
Complete Design and Manufacturing Solution

Design
Simulation
Manufacturing

Design Management
Apps

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Solid Edge ST8
Design without boundaries

Siemens Solid Edge ST8 delivers a uniquely powerful and accessible 3D design portfolio coupled with an amazing user experience, allowing you the freedom to design without boundaries.
Solid Edge ST8
Design without boundaries

Image courtesy of Robosynthesis Ltd.
Solid Edge ST8
Design without boundaries

Uniquely powerful
Accessibility unleashed
Amazing user experience

Image courtesy of Robosynthesis Ltd.
"Like Me" Pattern Recognition
"Like Me" Pattern Recognition

- Enhanced Pattern Recognition for any collection of faces
- Can be run multiple times on the same part
- Extends reuse and edit-ability of imported parts
Solid Edge ST8
Uniquely powerful

Synchronous Technology
Design Intent
Solid Edge ST8
Uniquely powerful

Synchronous Technology
Design Intent

- New Design Intent interface (formally Live Rules)
- Intuitive heads-up panel
- More predictable geometry edits
- Less time learning, more time designing
Helical Curve
Helical Curve

- Easy helical curve creation:
  - Constant
  - Variable
  - Compound

- Can be used for other features such as sweep
Pattern by Table
Pattern by Table

- Pattern using a table/spreadsheet
- Pattern in irregular ways, not just rectangular or circular
- Link patterns together for design automation
Greater Assembly Productivity
Greater Assembly Productivity

- Top level filter to find files quickly
- Automated missing file replacement with recursive searching
- Reuse top level sketches for flexible in-context design
Enhanced Welding
Enhanced Welding

- Apply weld beads as a Part for greater welding flexibility
- Streamlined process for duplicating weld beads across multiple parts
- Easily extract property information in a drawing e.g. symbols and costing
Solid Edge ST8
Uniquely powerful

Enriched Digital Mockup
Solid Edge ST8
Uniquely powerful

Enriched Digital Mockup

- Enhanced Path Relationship options for more realistic marketing animations
- Drive Motors from the Variable Table for better design validation
- On-the-fly sub-assembly relationship override
- Efficient .WMV output support
Solid Edge ST8
Uniquely powerful

IFC for BIM

- Direct translation to IFC to conform to your industry directives
- IFC2X3 and IFC4
- Geometry simplification capability
- Bi-directional support
Enhanced Drawings
Enhanced Drawings

- Advanced dimension and annotation handles
- New interface for easier Format Values
- Unique parts lists and ballooning for subassemblies; great for large assembly drawings
- Linked Property and Reference Text in Text Boxes for automation
- Flexible thread dimensioning
Solid Edge ST8
Uniquely powerful

Drawing Compare
Solid Edge ST8
Uniquely powerful

Drawing Compare

✓ Quickly and easily compare drawings
✓ Interactive interrogation, with color coding for clarity
✓ Save comparison for future reference
Enhanced Electrical Import
Enhanced Electrical Import

- Immediately know when multiple occurrences of the same connectors are present
- Quick and easy selection of the correct occurrence
- Visual feedback of import validation
Enhanced Electrical Routing
Enhanced Electrical Routing

- Persistent PMI for efficient routing
- Route imported cables through clips and other part geometries for accurate packaging
- Split and reuse existing paths to easily create custom bundles and cables
- Splice wires and cables to fully represent any wiring schematic
Enhanced Electrical Documentation
Enhanced Electrical Documentation

- Cut list and connector list support for new splicing and harness split capabilities
- Scale nailboard harnesses for documentation
Simulation Topology Meshing

- Automates larger elements on large faces, and smaller elements on smaller faces
- More nodes & elements, only where important, improves accuracy/reduces solve time
Coming soon in CAMWorks for Solid Edge

- WYSIWYG with G-code based machining simulation
- Quicker face selection, by color
- Before model e.g. casting input, reducing possible air-cutting time
- More efficient tool assignment during new operation creation
- Tool crib priority for milling, aiding tool standardization
- Optimized Tech DB
Solid Edge ST8
Uniquely powerful

CAM Express

- Optimized roughing routines
- Cut regions for rest milling
- Hole chamfer milling tool and operation
- Blade (impeller) swarf cutting improvements
- Group features enhancement for drilling
Solid Edge ST8
Design without boundaries

Image courtesy of Robosynthesis Ltd.

Uniquely powerful
Accessibility unleashed
Amazing user experience
Solid Edge ST8
Accessibility unleashed

Solid Edge on Microsoft Surface Pro 3 & 4

- Mobile access to full 3D design sessions - not "watered down"
- Interact with the click-in Surface Type cover, mouse and Surface Pen
- Finger gestures for view manipulations: pan, zoom, rotate
- Solve engineering problems and collaborate more effectively anytime, anywhere
Solid Edge Mobile Viewer

- New app supporting Windows 8.1
- Microsoft Surface App Store
- Drawing and Model viewing
- Ghost mode for quicker show/hide
- Camera backgrounds for models
- New Modern UI
- Common file for Android and Apple (.sev)
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Solid Edge ST8
Amazing user experience

User Assistance

✓ Context-sensitive help
✓ Includes simple procedure
✓ Often includes instructional video
✓ Designed to give you information "on the fly" optimizing your productivity
Solid Edge ST8
Amazing user experience

Solid Edge Learning Portal

- Find it on the Start page
- Learn in different ways:
  - Your experience e.g. transitioning to synchronous
  - What you want to do: step-by-step tutorials
  - What you want to know: comprehensive courseware
Solid Edge ST8
Amazing user experience

Solid Edge Community Live Feed

- Real-time feed
- Available from the tab on the right of the screen
- Stay current on tips and tricks
- Communicate with users and Siemens experts the world over-while you work!
Solid Edge ST8
Amazing user experience

Solid Edge Facebook Live Feed

- Real-time feed
- Available from the tab on the right of the screen
- Stay current on tips and tricks
- Communicate with users and Siemens experts the world over while you work!
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Questions?

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