



Farnborough College  
of Technology

# Business Services



REGIONAL RESOURCE CENTRE  
AEROSPACE & SPACE

## SolidWorks – Introduction to Surfacing

Duration: 2 Days

### Who is the training course for?

Designers with a working knowledge of SolidWorks 2009 wishing to develop their surfacing skills within the 3D software.

### What does the training course cover?

How to build freeform shapes using SolidWorks 2009. Day 1 will introduce the concept of surface modeling using small worked examples. Day 2 will continue this theme using more complex modeling exercises finishing with a design project.

#### Section 1: Surfaces

- Compare Surfaces with Solids

#### Section 2: Introduction to Surfacing

#### Section 3: Solid Surface Modeling

- Using Surfaces to Modify Solids
- Interchanging Solids and Surfaces

#### Section 4: Using Curves

- Create/edit/control of curves
- Using Spline curves

#### Section 5: Surface Modeling Techniques

- Projected curves & curves on surface
- Boundary and Ruled
- Lofting and Sweep
- Fill Surface Feature
- Blends and Patches
- Corner Blends and Fillets
- Knit Surfaces

#### Section 6: Surface Design Project

### How is the training course delivered?

At Farnborough or Southampton with delegates from aerospace/marine sectors – maximum class size is 6 (1 delegate per PC). If 4 places are booked, training course can be delivered on company premises at no extra charge.

### What are the costs and benefits?

**Cost:** £250 pp, but **this course is free for aerospace SMEs in the South East.**

**Benefits:** Increased productivity due to designers being able to surface 3D models more competently, quickly and with fewer errors.

**For more information on this course and funding available, or to book a place, please contact the FAC office on 01252 375600 / [events@fac.org.uk](mailto:events@fac.org.uk)**



This program has been co-financed by SEEDA and by the European Union through the European Social Fund – helping develop employment by promoting employability, the business spirit and equal opportunities, and investing in human resources.