

DSD presents  
**Architectural  
Engineering**

**Performance, Geometry  
and Materials**

Workshop  
**Space &  
Perception\***

**Digital  
Manufacturing**  
**12-14 September**

**Edgar Stach**  
University of Tennessee

**Oliver Tessmann**  
University of Kassel

**Paul de Ruiter**  
TU Delft

To what extent can digital manufacturing methods inform the creation of architecture? What is the effect of architectural systems inspired by nature to be translated and produced using computer controlled machines? To explore these possibilities is the basis for the Digital Modeling and Fabrication Workshop. The workshop will instruct participants on designing and manufacturing architectural surfaces and the modeling and manipulation of nurbs surfaces for output to digital manufacturing devices. The workshop will attempt to teach at various levels between 'how to' considerations of learning hardware and software. Various modeling and scripting techniques will be used to produce a design object per team: a light modulation sculpture that modulates light by translucent surfaces, perforation and curvature.

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**\* Only for PhD-students and staff,  
to inscribe mail e.b.tuncer@tudelft.nl**

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