



Welcome to a seminar within 3D printing for demanding applications

ESS, Max IV, and IUC Syd/BigScience.dk invite everybody who is working in the field of 3D printing to this workshop in Lund. Attendance is free of charge and the programme contains presentations on a number of topics related to demanding applications for additive manufacturing. Anyone with an interest in this field will be able to make new acquaintances, get to know companies that are active in 3D printing, and have fruitful discussions with leading authorities in the field.

Time: 19th of September, 2017, 09.30 – 16.00

Place: Elite Hotel Ideon, Scheelevägen 27, Lund, Sweden. Car park opposite the hotel, or bus nr 6 from Lund C. [Direction guide](#)

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Preliminary programme, Seminar on 3D printing for demanding applications

09.30	Welcome!	Mats Larsson, IUC Syd
09.35	Cost – Process – Value – 3D Printing Opportunities in a Nutshell	Olaf Diegel, LTH
09.50	Design, Choice of Materials, Post-Processing, and Testing	Klaus Loft, Højbjerre, Adimant
10.20	Metal Printing for Vacuum	Stewart Scott, Diamond Light Source
10.40	Coffee	
11.00	Ceramics Printing – Aspects of Particular Interest	Emil Johansson, Swerea IVF
11.20	Chemical Reactivity in 3D printing	James A. Fedchak, NIST (USA)
11.50	Additive Manufacturing of Neutron Shielding and Collimation Materials	Anders Olsson, Uppsala University
12.10	Printing of Abrasive Materials Using a Ruby Tipped Nozzle	Daniel Ljungstig, 3D-verkstan
12.15	Lunch	
13.00	Additive Manufacturing with Extremely Durable Alloys	Ulrik Beste, VBN Components
13.20	3D-Printing for Jewellery and Archaeology	Frank Cooper, Birmingham City University
13.40	3D-Printing in Aluminium	Naja Tabrizia, DTI

14.00 Round Table Discussions

Rotating model where participants get the opportunity to participate in more than one discussion. Same groups move between tables.

- ESS and Max IV particular needs
- Design for 3D Printing
 - o Simulations
- Materials and Special Applications
- Metals
- Plastics and composites
- Neutronics, thermal, and mechanical properties
- Economics of Additive Manufacturing

16.00 Summary

For more information, please contact:

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The seminar is an arrangement within [Industriell plattform](#) and [ESS & MAX IV: Cross Border Science and Society](#)

Region Skåne and Lunds kommun are co-hosts



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