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## NANOSCIENCE COLLOQUIUM

**Thursday May 7th 2015 at 15:30, K-space, Fysicum**

### Printing the Future

**Prof. Olaf Digel**

Product Development, Lund University

3D printing is coming of age. It is becoming a rapid “manufacturing” technology that will have a great deal of influence on how we live in the future. It will have a profound impact on almost all manufactured products, on how we do business, and on how we live longer and healthier lifestyles. 3D printing completely changes the design rules that designers and engineers have traditionally been ‘constrained’ by. By allowing us to now think differently about the products we design, it opens up a whole new range of opportunities for creativity and sustainability. It also allows inventors and entrepreneurs to get their products to market without the large capital risks of traditional manufacturing that becomes a barrier to innovation.

In this talk, we review the state of the art of 3D printing technologies and examine some of their current and future applications in the fields of art, engineering, business, and health. We also discuss some of the social implications these technologies will have on design and on how we live, and examine some of the issues around how we need to start adapting today in order to be ready for the technology tomorrow.



Host: Anders Mikkelsen (Synchrotron Radiation Research)

*This is one in a regular series of Nanoscience Colloquia, aimed at all researchers and students with an interest in nanoscience. The series is arranged by the Strategic Research Environment “The Nanometer Structure Consortium at Lund University” (nmC@LU) and by the Linnaeus environment “Nanoscience and Quantum Engineering”, funded by the Swedish Research Council (VR).*



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