

Modelling and printing in 3D at higher education

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Abstract

The technology for 3D printing, also known as additive manufacturing, is older than many people think. This decade brought a real breakthrough in this field which can be certified by the dynamically increasing number of 3D printers. The vision of certain researchers and manufacturers is that 3D printing will spread as widely as scanning did in the last century. Nevertheless, 3D printing requires much knowledge, so without the support of education its spread is impossible. This paper aims to give an overview of what and how to teach about 3D modelling and 3D printing in higher education. It also reveals our experience gained during one-semester-long courses held at the University of Debrecen Faculty of Informatics.

Keywords: higher education, 3D printing, 3D modelling

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