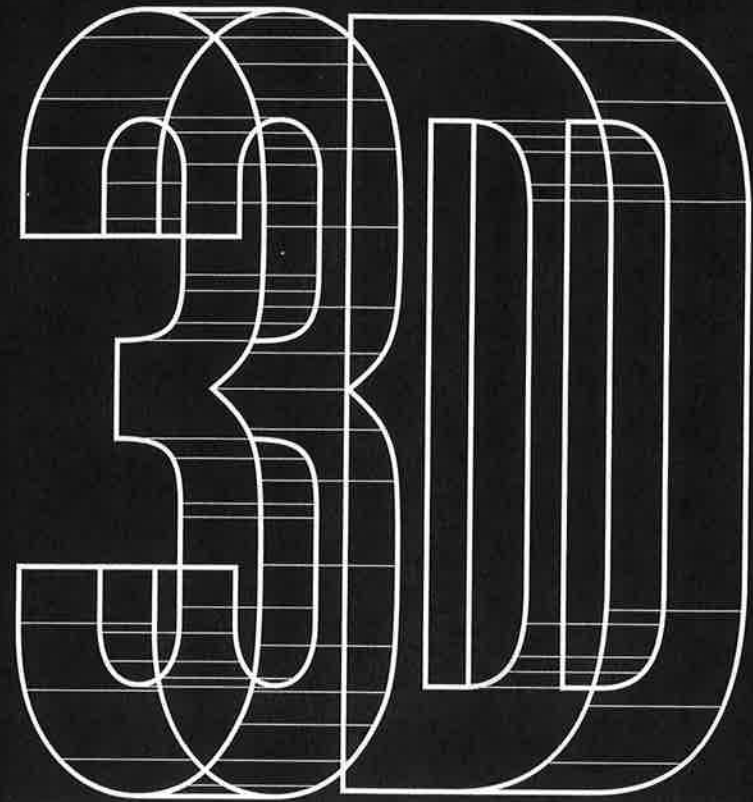




PRINTSHOW

OFFICIAL SHOW PROGRAMME

3D PRINTSHOW HOSPITAL

Supported by
wellcome trust

3D printing is an incredibly powerful tool in the hands of a designer, an artist or an engineer, but the truly transformational power of this technology becomes clear when we see its application in modern medicine. 3D scanning, digital modelling and 3D printing are reducing surgery times and dramatically narrowing the margin of error, allowing surgeons to create faster, safer, personalised solutions for patients.

The 3D Printshow Hospital and the line up of speakers in our medical symposium represent a coming together of the brightest minds working in 3D printed medicine today.



ALAN FAULKNER JONES

Alan Faulkner-Jones is a PhD student in Dr. Will Shiu's research group at Heriot-Watt University. Having completed his undergraduate Masters degree in Robotics and Cybernetics, the PhD is centred around the development of an intelligent adaptive cell printer for tissue engineering, organ repair and reconstruction.



ANTHONY ATALA M.D.

The world's foremost authority on 3D printed organs, Anthony Atala's innovative work in the development of smart bio-materials and tissue fabrication technology promises to revolutionise the practice of modern medicine.



FRIPP DESIGN & RESEARCH

Frapp Design & Research and the University of Sheffield have developed a simple and innovative solution to the problem of retaining soft tissue prostheses. Their industrial design expertise and the University's knowledge of materials and colour mapping will help to vastly improve the quality of life for thousands of soft tissue prostheses wearers.

"We are really excited about the potential impact that 3D printing could have on health and biomedical advances, and are therefore delighted to be supporting the 3D Printshow Hospital as it will showcase some of its possibilities." Anna Pollard, Wellcome Trust Grants Adviser



MICHAEL MC ALPINE

Michael Mc Alpine is one of 2013's most high-profile medical specialists. He grabbed headlines with his incredible 3D printed 'bionic ears' which exhibit inductive electronic sensing allowing them to 'hear' radio signals in stereo.



DR. RAPHAEL OLSZEWSKI

Dr Olszewski employs paper 3D printing technology from Micro Technologies to recap hours from traditional surgical procedures. Working from the digitally scanned contours of patients' trunks, at the push of a button he can create full-size 3D physical models to use as surgical guides.



ANDREW DAWOOD

Digital dental Andrew Dawood has become a specialist in maxillofacial reconstruction. As part of the team that created cancer patient Eric Magyer's 3D printed face, he's responsible for one of the most transformative 3D printing stories of 2013.



TOM MOST

A Certified Prosthetist since 2010, Tom Most is currently the lead CAD operator at Soleck and Stress. His work has included prototyping on the DARPA band with Dr. Weil at NURHC during his residency and working as a 3D print consultant for NURHC.