

Faculty of Science



GLENWOOD
HOUSE
SCHOOL



Nelson Mandela
Metropolitan
University

for tomorrow

SCIE X

2015

Innovations for Sustainable Futures

INVITATION



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| DATE | 30 July 2015 |
| VENUE | GPS: S33.96932° E22.49219° Glenwood House School, Glenwood Avenue, Glenwood, George |
| TIME | 18h30 – 20h30 |
| GUEST SPEAKER | Gerrie Booyen Director of the Centre for Rapid Prototyping and Manufacturing (CRPM) Central Technology University (CUT), Bloemfontein |
| THEME OF PRESENTATION | Changing lives using 3D printing |
| THEME OF ACADEMIC INDABA | The future of advanced 3D printing and other technological advances in the medical field |
| RSVP | fanie.smit@glenwoodhouse.co.za 0448714048 – Wilma Venter |



Gerrie Booysen and CRPM have been in the news recently (please see attached articles) leading the field in designing and manufacturing affordable prosthetics for patients by means of 3D printing. In collaboration with award-winning academic and mechanical engineer Dr George Vicatos and his Master's student at UCT, Severin Tenim, an affordable prosthetic hand was designed and 3D printed by CRPM in Bloemfontein.

In addition to this breakthrough Gerrie Booysen and CRPM have also been involved in using advanced 3D printing to manufacture jawbones for patients. In his presentation he will discuss and illustrate the advantages and impact of 3D printing on the lives of patients in need of artificial limbs and venture predictions as to the future use of 3D printing to change the lives of patients.

The event will be attended by experts in 3D printing, medical doctors and specialists, students interested in the medical and engineering fields of study, teachers, and academic staff from the Nelson Mandela Metropolitan University.

After the main presentation by Gerrie Booysen a panel of experts will be discussing the indaba theme. Although there will be a facilitator for the indaba the participation of the members of the audience will be strongly encouraged. The idea is to have an information-rich discussion on the theme for the benefit of all attendees.

Please come and enjoy this event with us.

SCIEX 2016 will most possibly feature a medical theme and various prominent speakers and cutting-edge medical institutions will be invited to a mini medical conference during SCIEX 2016. Facilities employing robotic-assisted surgery and pharmacies have already been contacted in this regard. We would appreciate any assistance and advice in establishing this mini conference on the Garden Route, the ultimate goal of which will be to create an event that will be beneficial to all members in the medical field and pupils and students in the area interested in medical and engineering studies.

Programme

18h10 – 18h25: Refreshments – College Staff Room

18h30 – 19h10: Main Presentation in Auditorium

19h15 – 20h15: Academic Indaba

20h15 – 20h30: Looking forward to SCIEX 2016

