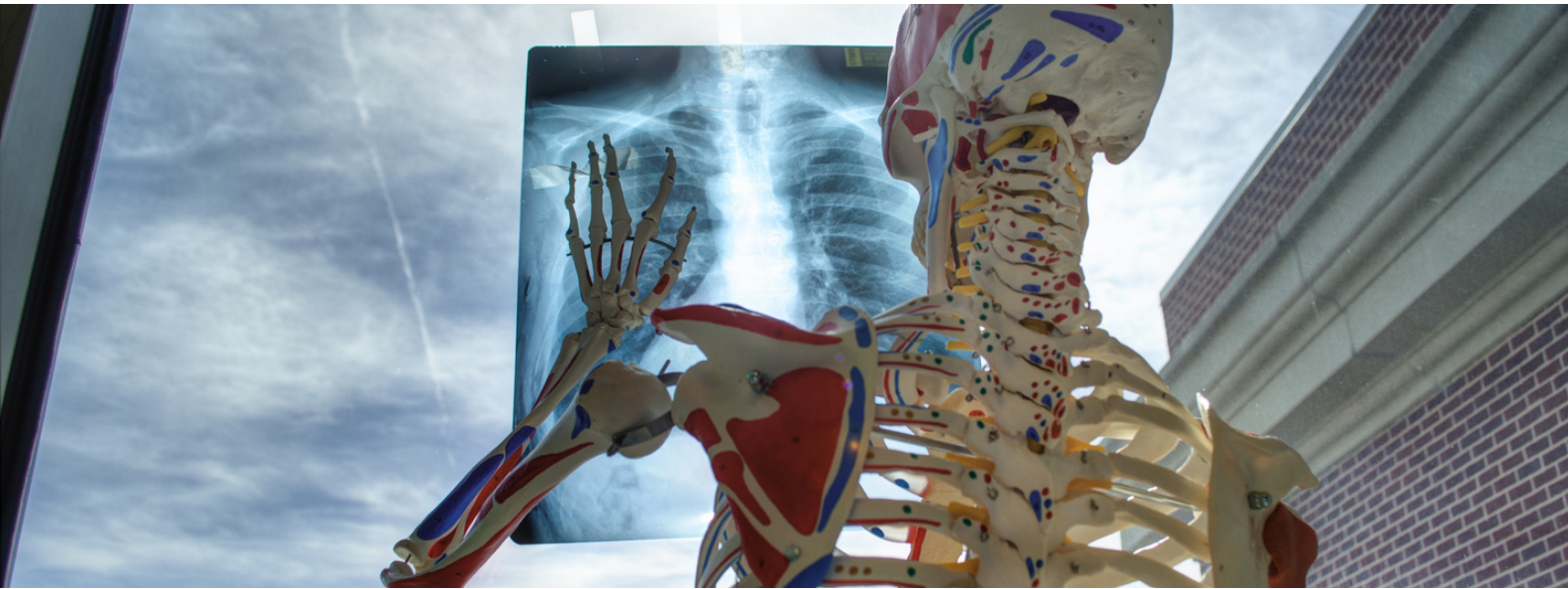




# 3D POST-PROCESSING WORKSHOP

PRESENTED BY THE FORENSIC ANTHROPOLOGY RESEARCH CENTRE



With the emergence of affordable 3D printing technology, medical science academics have started using 3D printed models in clinical anatomy to assist medical doctors. Three-dimensional imaging and printing offer several advantages, such as preservation of the biological material, identical copies of the 3D models, and tactile opportunities for clinical practitioners to engage with anatomical and skeletal material. Three-dimensional printing converts a computer-generated 3D image into a physical model, allowing the creation of human-specific anatomical models.

The 3D Post-Processing Workshop is for medical doctors, dentists, researchers, bioengineers, computer scientists, radiologists, maxillo-facial surgeons, orthopaedics, to name a few, to learn the fundamental skills for the post-processing of 3D images for research and to print 3D models for pre-operative planning.

## Course content:

- Introduction to the utilisation of 3D imaging softwares and 3D datasets (Micro-XCT, CT, CBCT, MRI and surface scanner).
- EinScan H surface scanner demonstration.
- The utilisation of Avizo and 3D slicer software for the creation of 3D anatomical models from 3D datasets.
- The utilisation of Avizo and 3D slicer software for advanced research using 3D anatomical landmarks and measurements.
- Introduction to 3D printing for research and education.
- Introduction to the utilisation of computer aided design software (CAD).
- Introduction to CAD softwares for filament and resin printers.



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## Who should enrol?

This workshop is ideal for you if you are interested in 3D imaging and 3D prints.

## Dates:

- 15 - 19 May 2023
- 26 - 30 June 2023
- 11 - 15 September 2023
- 20 - 24 November 2023

## Time:

- 16:00 - 19:00

## Registration and enquiries

**Senior Course Coordinator**

Peggy Motswatswa

Enterprises

University of Pretoria

Email:

[peggy.motswatswa@enterprises.up.ac.za](mailto:peggy.motswatswa@enterprises.up.ac.za)

## Workshop fees

5 days package: R10 000 per delegate  
VAT is included in the price.

Workshop fees must be paid 14 days prior to the workshop start date.

Proof of payment can be submitted to [celia.dasilva@enterprises.up.ac.za](mailto:celia.dasilva@enterprises.up.ac.za)

## Accreditation and Certifications

Delegates who complete the workshop will be awarded certificates of attendance by the University of Pretoria. 3 CPD points will be awarded at the end of the 5-day session.

## Admission requirements

No prerequisites are required to participate in the workshop.



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