

# Faculty of Engineering and the Built Environment Expert Lecture



**20 YEARS**  
— 2005-2025 —  
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INVITATION

## Empowering Research and Innovation with MATLAB and Simulink

The Department of Electrical and Electronic Engineering Technology (Faculty of Engineering and the Built Environment) is delighted to host Ms. Ntshuxeko Mathebula from Opti-Num Solutions, to give an expert lecture on ***Empowering Research and Innovation with MATLAB and Simulink***.

**DEEET HOSTS:** Dr Mbika Muteba



**ABSTRACT:** This session explores how MATLAB and Simulink can be leveraged to drive research, innovation, and engineering education within an academic environment. From system-level modelling and simulation to data analysis, machine learning, and embedded design, the talk will showcase real-world examples of how these tools are being used across various disciplines to accelerate discovery and enhance impact. Attendees will gain insight into how MATLAB and Simulink support cross-disciplinary research, and rapid prototyping, enabling students, lecturers, and researchers to move from concept to solution more efficiently.



**Ms. Ntshuxeko  
Mathebula**



**DATE:** 27 August 2025  
**TIME:** 12:00 - 1:30 PM

**IN COLLABORATION WITH:**

**Opti-Num  
Solutions**



**DEEET  
Boardroom**



This is an hybrid event  
To attend, click **HERE**

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