



## Dr Johan van der Merwe

LECTURER

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## Short Bio

Dr van der Merwe completed his PhD in Engineering at Stellenbosch University in 2018 and works there as a Lecturer at the Department of Mechanical and Mechatronic Engineering. He has been a member of the Biomedical Engineering Research Group since 2010 and has been co-opted to the management committee of the Institute of Biomedical Engineering in 2021.

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## Research Interests

Endoprostheses, implant design and customization, computational design and simulation.

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## Selected Publications

### **Variability, agreement and reliability of MRI knee landmarks**

*Journal of Biomechanics*

J. van der Merwe, D.J. van den Heever, P. Erasmus

<https://doi.org/10.1016/j.jbiomech.2019.08.003>

### **Estimating regions of interest on the distal femur**

*Medical Engineering and Physics*

J. van der Merwe, D.J. van den Heever, P. Erasmus

<https://doi.org/10.1016/j.medengphy.2018.07.005>

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## Teaching

Mechatronics 424

Biomedical Engineering 814/882 (Biomedical Engineering Design)