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## Industrial Engineering

### **Postdoctoral fellowship: Data Analytics & Machine Learning Applications in Industrial Engineering**

*The Department of Industrial Engineering focuses on the following areas of research to improve global competitiveness: Operations Research, Data Analytics & Machine Learning Applications in Industrial Engineering; Operations Management and Logistics; Advanced Manufacturing; and Engineering and Technology Management.*

*The successful candidate will be expected to keep abreast of the latest academic content and practical applications in the areas where they are deployed to ensure relevance and sustainability of the department.*

**Role:**

This fellowship is intended for a young researcher who has obtained a PhD within the last five years in Industrial Engineering with a focus on Data Analytics or Machine Learning, and would like to explore the field further. The term is for three years, and can be renewed depending on funding and performance. The successful candidate will work with other researchers in the focus areas of Data Analytics, Machine Learning and Optimisation, to further develop and investigate the application of these focus areas in relevant Industrial Engineering fields.

Duties: Research participation and support, publication of research papers, collaboration with researchers and postgraduate students, co-supervision of post graduate students and limited undergraduate teaching.

**Requirements:**

A PhD in Industrial Engineering, with a focus on Data Analytics, Machine Learning, Operations Research or Optimisation • An excellent academic record • A publication record with at least one article in an accredited journal • Excellent computer programming skills • Good verbal and written communication skills.

**Recommended:**

Experience in collaborative research environments • Good organisational skills • Fluency in Afrikaans and English.

**Please note:**

Postdoctoral fellows are not appointed as employees and are therefore not eligible for employee benefits  
Postdoctoral fellowships are exempt from income tax

**Commencement of duties:** 1 January 2019 or as per agreement

**Closing date:** 8 November 2018

**Enquiries:** Prof Corne Schutte on 021 808 4234 (corne@sun.ac.za)

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*The University will consider all applications in terms of its Employment Equity Plan, which acknowledges the need to diversify the demographic composition of the staff corps, especially with regard to the appointment of suitable candidates from the designated groups.*

*The University reserves the right not to make an appointment.*

Applicants should forward an application letter, comprehensive CV and 2 confidential reports by independent referees by the closing date direct to the above address.