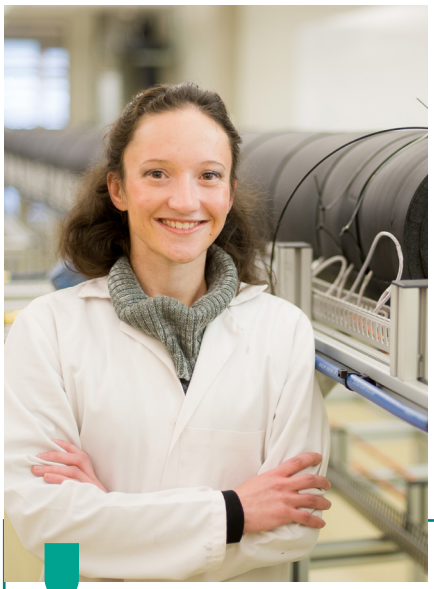


Tata Africa Scholarship

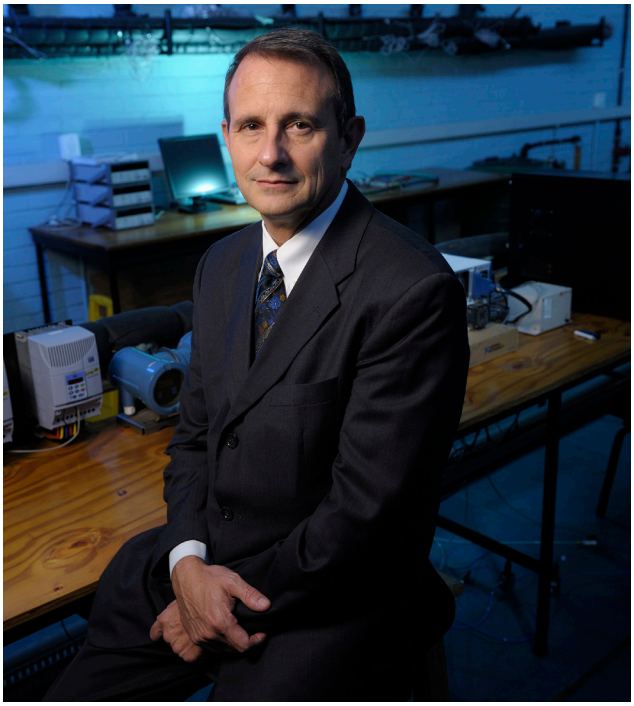
Young mechanical engineer earns exceptional recognition

The Department of Mechanical and Aeronautical Engineering at the University of Pretoria provides a special and unique opportunity for students to prepare themselves for the demands of their future work environment. This ensures that its students are recognised for their excellent academic and research abilities.

Marilize Everts, a doctoral candidate, received the Tata Africa Scholarship in the category for PhD study for her outstanding academic and research skills. The scholarship was awarded as part of the South African Women in Science Awards (part of the efforts of the DST to increase the number of female scientists and researchers in the country).

Everts completed a BEng (Mechanical Engineering) degree with distinction at the University of Pretoria in 2012 and was the top student in the School of Engineering in that year. In 2013, she completed her BEng (Hons) degree in mechanical engineering with an average of 90% (with distinctions in all eight modules), and in 2014 she obtained 99% for her master's degree research. Her research focuses on the heat transfer and pressure drop characteristics of developing flow in smooth and rough tubes in the transitional flow regime.

Leader in heat transfer receives Chairman's Award



→ *Prof Josua Meyer.*

The Faculty of Engineering, Built Environment and Information Technology is proud to announce that Prof Josua Meyer, Head of the Department of Mechanical and Aeronautical Engineering and Chairman of the School of Engineering, was awarded the South African Institution of Refrigeration and Air-conditioning (SAIRAC) Chairman's Award.

He was recognised for his seminal research contributions over the past 25 years in the field of heat transfer with specific reference to his understanding and quantification of heat pumps, the optimum geometries of enhanced tubes, and the influence of different types of inlets on transition and condensation heat transfer at different inclination angles.

All of this work is directly related to the development of more energy-efficient equipment, which is widely used in the air conditioning and refrigeration industry today.

Prof Meyer has been recognised by the National Research Foundation (NRF) as a B-rated researcher.