GUEST LECTURE

Prof Ndaona Chokani

Swiss Federal Institute of Technology, Zurich

High Temporal and Spatial Resolution Simulations of Increased Renewable Penetration in Interconnected Power Systems

DATE: **13h00 – 13h45, Thursday 12 May 2016**

VENUE: **Room K303, Knowledge Centre building, 3rd floor, Faculty of Engineering, Stellenbosch University.**

Scientific Profile

Prof. Ndaona Chokani received his B.A. (Honours -First Class), in engineering science from Oxford University in 1984 and his Ph.D. in engineering from Cambridge University in 1988. Chokani was a Professor for 17 years in the USA, at Duke University in Mechanical Engineering and Materials Science, and at North Carolina State University in Mechanical and Aerospace Engineering. During this period, Chokani's research was funded by US Air Force Office of Science Research, NASA, US Defense Advanced Research Projects Agency (DARPA), and US National Science Foundation (NSF).

Since 2006, Prof Chokani is at ETH Zurich, where in the Laboratory for Energy Conversion he leads the wind energy program and the energy, economics & policy program. In the last five years, Prof Chokani has published more than 30 journal and conference papers.

Prof Chokani is President of Switzerland's IEC Technical Committee 88 (that is responsible for standards for wind turbines and wind power plants), immediate-past-Chair of the IGTI Wind Energy Committee (the world's largest organisation for turbomachinery professionals), a Board Member of the European Academy of Wind Energy (Europe's leading body of research institutions and universities in working on wind energy research and development), and has served on scientific committees for several European Wind Energy Association conferences (the world's leading forum for wind energy professionals) and the International Conference on the European Energy Market.

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