



Research Topics in Renewable Energy for 2020

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Fakulteit / Faculty: Engineering		Department / Department: Electrical and Electronic Engineering		
Navorsingsarea / Area of Research: Electrical Energy Systems				
Algemene beskrywing van navorsingsveld / General description of research area: Power system modelling for improved quality of supply in grid integration of renewable power sources. The research focus is on wide frequency band impedance estimation at the point of connection of a renewable plant, especially wind farms, to the grid with an aim of ensuring compliance to the grid code.				
Lys van onderwerpe/List of topics:		M.Eng. (Research)	Ph.D.	Funding
Investigate and implement a technique to estimate wind farm and grid wideband impedance in presence on nonstationary background harmonics.		X		None
Spesifieke voorvereistes / Specific requirements: A Masters degree in the relevant scientific field of study is required to enrol for a PhD and an Honours degree in the relevant field is required to enrol for a Masters.				
Befondsing beskikbaar / Funding available: N/A				