



Scatec Solar

Chair in Photovoltaic Systems



RENEWABLE & SUSTAINABLE
ENERGY STUDIES



ELECTRICAL & ELECTRONIC
ENGINEERING

STELLENBOSCH UNIVERSITY

Research Topics in Renewable Energy for 2020

Dosent / Lecturer: Dr Arnold Rix	Email: rix@sun.ac.za		
	Tel: 021 808 3623		
Fakulteit / Faculty: Electrical Engineering	Department / Department: Electrical & Electronic		
Navorsingsarea / Area of Research: Photovoltaic Systems – Renewable Energy			
Algemene beskrywing van navorsingsveld / General description of research area: Solar PV systems			
Lys van onderwerpe/List of topics:	M.Eng. (Structured)	M.Eng. (Research)	Ph.D.
1. Yield forecasting for floating solar PV plants		X	
2. Bi-facial PV plant optimisation		X	
3. Short term yield forecasting		X	X
4. Investigate and implement data mining methodologies to monitor PV plant performance.		X	
5. Wireless PV structure monitoring		X	
6. Hybrid power supply design and control optimisation			X
Spesifieke voorvereistes / Specific requirements: B.Eng. in Mechatronic or Electrical and Electronic Engineering.			
Befondsing beskikbaar / Funding available: Yes, limited funding is available.			
Applications: Please email rix@sun.ac.za to discuss your topic of choice and receive the application form.			