Mr. Justin GRAVE 35B, Résidence Anne Franck Rue des Résistants 59840 PERENCHIES – FRANCE +27 (0)7 18 74 32 17 grave_j@esiee-amiens.fr 23 years old – Driving license

EDUCATION



December 2010	Tshwane University of Technology / ESIEE Amiens, Pretoria (South Africa) MSc. Power and Energy Systems – Master of Engineering Program
	- Principal Courses:
	 Engineering system management
	 Research methodology
	 Energy management and economics
June 2010	ESIEE Amiens – Engineering degree (BB levels) – With Honors
	 Specialization : Power engineering and sustainable development
	 Power Conversion, Power Systems
	 Embedded and real time systems, Control methods
	 Renewables Energies, Software engineering General courses
	 General courses Signal theory, Theory of waves
	 Project management, Team work
	 Management: Communication, Team management
June 2004	Lycée Ozanam, Lille – Baccalauréat STI Electrotechnique (A Levels)
Languages	French: mother tongue
	English: fluent – Bulats (89/100)
	Japanese: academic basics – WJEC (level 1, topic 3)
	Chinese (Mandarin): notions
Computer skills	Microsoft office, Lotus notes, Matlab – Simulink, programming (C, C++,
	HTML, PHP, VHDL), MacOS X, Labview
PROFESSIONAL EXPERIENCE	
2010	Tshwane university of technology, Pretoria (RSA) – Power Electronics
(10 months – MSc project)	- Design of an electrical conversion chain for railways applications
	- Use of multilevel converters to improve the quality of energy
	 Enhancement of the transmission capacity
	 Improvment of the power rate and reduction of the THD
	 Use of space vector modulation in order to control the converters Quicker control response and lower switching frequency
	 Smaller THD than Pulse Width Modulation
2009	VALEO VEES, Cergy-Pontoise – EMD - System
(5 months – Internship)	- Design of electronical components for a matlab simulink library
(Smonths memsing)	 PWM generation including dead times control
	 Measuring devices for converters and control methods
	- Comparison of the Simscape library and the Simulink library
	 Computing times and accuracy of results
	 Model-based design programming
2007 – 2008	Pizza Hut, Paris, Amiens – Multi-task employee

(10 months – Open-ended contract)

INTERESTS

Website: <u>http://justin.grave.free.fr</u> Sports: Football and tennis Asian culture New technologies