

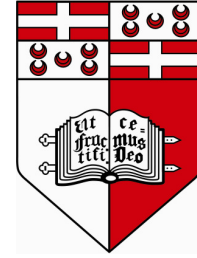
FACULTY OF ENGINEERING

ELECTRICAL ENGINEERING STREAM

LIST OF FINAL YEAR PROJECT TITLES FOR THE

ACADEMIC YEAR

2006/2007



| TITLE | STUDENT | SUPERVISOR |
|---|----------------------------|---------------------------|
| Electronic Monitoring and Feedback System for Cycling Sports and Tourism | <i>Andrea Azzopardi</i> | Dr. Adrian F. Muscat |
| A Reverberation Chamber for Testing Mobile Terminal Antennas | <i>James Baldacchino</i> | Dr. Adrian F. Muscat |
| An offline Fleet Management System | <i>Edward Scerri</i> | Dr. Adrian F. Muscat |
| Bluetooth to SCART Converter | <i>Matthew Bianco</i> | Dr. Carl J. Debono |
| Wireless Monitoring and Control of a Car Engine | <i>David Cristina</i> | Dr. Carl J. Debono |
| Design and Analysis of Electrical Machines | <i>David Daniel Gerada</i> | Dr. Cedric Caruana |
| The Propagation of Harmonics in Electric Power Systems | <i>Carl Fenech</i> | Dr. Cedric Caruana |
| Control Strategies for a Variable Speed Scale Wind Turbine | <i>Justine Coppini</i> | Dr. Cedric Caruana |
| Low Power Grid Connected Inverter | <i>Joanne Bonnici</i> | Dr. Cyril Spiteri Staines |
| Bi-directional Power Semiconductor Converter Topology: 3-phase to 3-phase Matrix Converter | <i>Kenneth Spiteri</i> | Dr. Cyril Spiteri Staines |
| High Bandwidth Current and Current Derivative Sensors | <i>Karl Xerri</i> | Dr. Cyril Spiteri Staines |
| Airbourne Platform Computer Architecture | <i>Stephen Schembri</i> | Dr. David Zammit Mangion |
| An Airborne Platform Data Handling System | <i>Nathanael Portelli</i> | Dr. David Zammit Mangion |
| Phoneme Recognition using Neural Networks | <i>Tara-Elese Galea</i> | Dr. Edward Gatt |
| Digital Implementation of Cellular Neural Networks | <i>Ryan Grech</i> | Dr. Edward Gatt |
| Design of a 2.4GHz Receiver | <i>Lawrence Grech</i> | Dr. Ivan Grech |
| Design of a BiCMOS SiGe High Speed A/D Converter | <i>Paul Zammit</i> | Dr. Ivan Grech |
| Hot Wire Anemometer | <i>Robert Zammit</i> | Dr. Ivan Grech |
| Real Time Watermarking in MPEG-2 DVB Transport | <i>Vincent Mario Rapa</i> | Dr. Johann Briffa |
| Image Steganalysis | <i>David Vassallo</i> | Dr. Johann Briffa |
| Digital Forensics: Software for the Offline Analysis of Memory Dumps | <i>Stephanie Cordina</i> | Dr. Johann Briffa |
| The Effects of Harmonics on Energy Meters | <i>Micheal Galea</i> | Dr. Joseph Cilia |
| The Design of a Drive System for a Micro- Wind Turbine | <i>Mark Axiaq</i> | Dr. Joseph Cilia |
| The Design and Implementation of an Electric Boat | <i>Charles Darmanin</i> | Dr. Joseph Cilia |

| TITLE | STUDENT | SUPERVISOR |
|--|------------------------------|--------------------------|
| Off- Line Hand- Written Graphical Symbol Recognition | <i>Pauline Bartolo</i> | Dr. Kenneth P. Camilleri |
| Expert System for Off-Line Diagnosis of Appendicitis | <i>Amanda Abela</i> | Dr. Kenneth P. Camilleri |
| A 3kW Brushless DC Motor Drive for an Electric Boat Application | <i>Steve Azzopardi</i> | Dr. Maurice Apap |
| AC/DC/AC Converter Control for a Reduced DC Link Capacitor Size | <i>Daniel Zammit</i> | Dr. Maurice Apap |
| Multilevel Converter Technology in AC Drive Applications | <i>Benjamin Pavia</i> | Dr. Maurice Apap |
| 8051 Multi-Controller CAN Bus Network | <i>Roderick Vella</i> | Dr. Paul P. Debono |
| 8051 Flash USB Logger | <i>Allen Carl Bonnici</i> | Dr. Paul P. Debono |
| Wireless Home Entertainment System | <i>Efrem Borg</i> | Dr. Saviour Zammit |
| Automatic Fault Detection and Control Reconfiguration | <i>Graziella Borg</i> | Dr. Simon Fabri |
| Haptic Force Feedback for a Human Controlled Command Device | <i>Andrew Zammit Mangion</i> | Dr. Simon Fabri |
| Neural Network Control of a Robotic Manipulator | <i>Lisa Farrugia</i> | Dr. Simon Fabri |
| Tail Current Sources for Low Voltage Applications | <i>Di Wu</i> | Prof. Joseph Micallef |
| Low-Voltage Multimode LNA Design in SiGe Technology | <i>Mark Zammit</i> | Prof. Joseph Micallef |
| Automatic Recognition of Speech using Wavelet Based Parameters for a Neural Network Application | <i>Glyton Carl Camilleri</i> | Prof. Paul Micallef |
| Acoustic Modelling of Enclosed Spaces | <i>Aaron Debattista</i> | Prof. Paul Micallef |