

Term 7 ECE Design Project (ENGI 7800)

Presentation Schedule (2:00 – 5:00, July 21, 2005)

July 21, 2005 2:00 - 5:00, in EN-4002, Faculty Examiner: Dr. T. Iqbal (Chair), Dr. J. Millan

200108892	Eddy, Bradley W.	Design of a Microcontroller Based Micro-Hydro Control System	Dr. T. Iqbal	2:00 - 2:10
200022549	Froude, Renard	Design of a Microcontroller Based Maximum Power Tracker for a PV System	Dr. T. Iqbal	2:10 - 2:20
200034247	Glynn, Ryan A.	Design of a Microcontroller Based Analog I/O Cards for PC's Parallel and USB Port	Dr. T. Iqbal	2:20 - 2:30
200022036	Manuel, Joshua J.	Design of a Microcontroller Based Maximum Power Tracker for a Small PMG Based Wired	Dr. T. Iqbal	2:30 - 2:40
9736695	Power, Michael J.	Design of a Microcontroller Based Dial-out Conventional Electricity Meter Reader System	Dr. T. Iqbal	2:40 - 2:50
200026094	Power, Sarah D.	Design of a Microcontroller Based Digital Energy Meter	Dr. T. Iqbal	2:50 - 3:00

Break 3:00 - 3:20

9918517	Gardiner, Robert A.	Precision Automated Home Heating System	Jim Millan	3:20 - 3:30
200022713	Russell, Whycliff C.	Automotive Collision Avoidance System Design	Jim Millan	3:30 - 3:40
9406604	Warren, Christopher R.	Design of A Depth Controller for the MVP II - An Underwater Robot for Ocean Profiling	Jim Millan, Ralf Bachmayer	3:40 - 3:50
200020824	Barron, Billy F.	Autonomous Radio for Wireless Communications	Dr. Octavia Dobre	3:50 - 4:00
200141265	Khan, Uzma K.	On Algorithm Design for Automatic Modulation Identification	Dr. Octavia Dobre	4:00 - 4:10

July 21, 2005 2:00 - 5:00, in EN-4008, Faculty Examiner: Dr. D. D. Peters (Chair), Dr. A. Vardy

200125805	Anderson, Jonathan R.	Digital Music Analysis / Synthesis	Prof. Michael Bruce-Lockhart	2:00 - 2:10
9726415	Barrow, Terrence J.	Online Project Organizer and Management System	Prof. Michael Bruce-Lockhart	2:10 - 2:20
200111987	Boone, Jeremy O.	Wearable Computing and Human Vision	Dr. D. Peters	2:20 - 2:30
200019586	Burton, Michael D.	Marine Simulation Engine - A Proof of Concept	Dr. D. Peters	2:30 - 2:40
9930744	Jonathan Thomas	Developing an Artificial Intelligence Tool for Integration Software for Verifin	Dr. C. Robertson, Prof. Bruce-Lockhart	2:40 - 2:50
9820606	Warren, Justin K.	Image Processing and Pattern Recognition for Use in Cheque Fraud and Verification	Dr. C. Robertson, Dr. A. Vardy	2:50 - 3:00

Break 3:00 - 3:20

200030732	Burke, Andrew B.	Visual Compass for Mobile Robot Navigation	Dr. A. Vardy	3:20 - 3:30
9811969	Coffey, Nicholas B.	Numerical Simulation Ocean Profile Measurement with Radar	Dr. E. Gill	3:30 - 3:40
200100550	Nerurkar, Chaitanya V.	Design and Test of a Compact RF Measurement Setup	Dr. E. Gill	3:40 - 3:50
200007839	Shave, Terrence F.	HF Radar Prototype	Dr. E. Gill	3:50 - 4:00
200012045	Wells, Jeffrey W.	Digital Control of Transistor Brasing In a Changing Environment for HF Radar Applications	Dr. E. Gill	4:00 - 4:10
200024156	Addetia, Zahra M.	PLAY: Programming Learning and Youngsters	Dr. T. Norvell	4:10 - 4:20

July 21, 2005 2:00 - 5:00, in EN-4033A, Faculty Examiner: Dr. V. Masek (Chair), Dr. C. Li

200014546	Butler, Robert Troy	RF Transmission of GPS Location	Dr. V. Masek	2:00 - 2:10
9915273	Chubbs, Byron A.	PC Controlled Engraver	Dr. V. Masek	2:10 - 2:20
9923376	Coady, Jeffrey E.	Automobile Regenerative Braking System	Dr. V. Masek	2:20 - 2:30
200106136	Furlong, Justin B.	Electrostatic Loudspeaker Design & Construction	Dr. V. Masek	2:30 - 2:40
9916677	Mullins, Jamie T.	Petsitter: Automated Pet Care System	Dr. V. Masek	2:40 - 2:50
9929183	Noseworthy, Jamie S.	Multi-Track Digital Audio Recording System	Dr. V. Masek	2:50 - 3:00

Break 3:00 - 3:20

200023232	Oldford, Andrew M.	Three Dimensional Ultrasonic Bearing Angle Detection	Dr. V. Masek	3:20 - 3:30
9804030	Sharma, Hitesh N.	Low Air Pressure Indicator For Tires	Dr. V. Masek	3:30 - 3:40
200038370	Wright, Krista R.	Laryngoscope Warning System for Tooth Contract	Dr. V. Masek	3:40 - 3:50
200028504	White, Cheryl D.	Page Turner for Handicap Reader	Dr. J. Molgaard	3:50 - 4:00
20011870	Kirby, Christopher B.	Phantom-Powered DSP Guitar Effects Unit	Dr. C. Moloney	4:00 - 4:10
200103174	Mercer, Joel Z.	Gesture Recognition System	Dr. R. Gosine	4:10 - 4:20