

## Engineering

- Radio resource management for OFDMA systems under practical considerations / Leonidas Sivridis. Ph.D. 2011
- Analysis and optimization of ventilation systems for smoke control through computational fluid dynamics (CFD) modelling / Jyh Chyuan Shim. Ph.D. 2011
- Tackling variabilities in speaker verification with a focus on short durations / Benoit Fauve. Ph.D. 2009
- Assessment of speech intelligibility in the context of coders in high noise / Keith A. Jellyman. Ph.D. 2009 (Barred until the end of 2012 – cannot be used).
- Novel application of thermal fingerprint and finger vein recognition technologies in the construction industry / Bin Chen. Ph.D. 2009
- NF nanofiltration membrane characterization / Ahmed Saleh Al-Amoudi. Ph.D. 2008
- Tidal energy device hydrodynamics in non-uniform transient flows / John Christopher Chapman. Ph.D. 2008 (Barred until the end of 2013 – cannot be used).
- Numerical simulations of unsteady impinging jet flows / by Richard John Jefferson-Loveday. Ph.D. 2008
- Resistance bonding of dissimilar alloys using a powder interlayer : a feasibility study / Cameron Pleydell-Pearce. Ph.D. 2008
- Anomalous rejection ratios in nanofiltration experiments / Jason Dennis Shirley. Ph.D. 2008
- Objective assessment of speech intelligibility / Wei Ming Liu. Ph.D. 2008 (Barred until end of 2012 – cannot be used).
- Application of three-dimensional profiling to the measurement and characterisation of screen printed fine lines / Timothy James Barden. Ph.D. 2008
- Nurturing innovation in industrial design : quantifying innovation propensity in industrial design by means of a novel innovation trait index / Ian Martin Walsh. Ph.D. 2008
  
- Modelling based understanding of mechanical systems / by Arthur William Lees. D.Sc. 2009
- Experimental studies of convective heat transfer to the cooling of rotating and reciprocating power plant and electronic devices / by Shyy Woei Chang. D.Sc. 2009
  
- Modelling of bake hardening sequences in novel interstitial free bake hardening steels for automotive applications / by Alexander John Piers Gater. Eng. D. 2008
  
- Heterogeneous catalytic ozonation for the degradation of organic compounds / Hussain Mohammad. M.Phil. 2011
- Investigation of quality of services (QoS) support for real-time or mission critical services over IEEE 802.11e wireless networks / Kenneth Nwizege M.Phil. 2010
- Impostor-centric T-norm in speaker verification / Neil Pearson. M.Phil. 2008

- Design and optimisation of joints in a carbon fibre bicycle frame / Michael Sexton. M.Res. 2010
- Formulation of a catchment management framework within a United Kingdom water company / Catherine McMillan. M.Res. 2010
- Influence of flow and water temperature on the migration of adult Atlantic salmon, *Salmo salar* L. / Gillian Wright. M.Res. 2009
- Energy saving awareness at Swansea University / Kate Stacey. M.Res. 2009
- Effects of composition on structure and properties of recycled plastics from WEEE / Carol Frances Glover. M.Res. 2008
- Evaluation of risk assessment methods in drinking water safety planning : the water safety explorer software / Thomas Patrick Gibson. M.Res. 2008
- Waste minimisation viability study at Swansea University / Bonnie Kimberly Harris. M.Res. 2008
- Environmental impact assessment of tidal stream renewable energy devices within Welsh sites / Rebecca Fiona Gallie. M.Res. 2008 (Barred until end of 2011).
- Evaluation of a secondary chlorination scheme at service reservoir 'A' / Hussain Al-Hassani. M.Res. 2008

### **Chemical Engineering**

- Tensile properties of polymeric liquids / Rhodri Brad. Ph.D. 2008
- Investigation of oily wastewater treatment processes / Ifeyinwa Charlotte Okam. M.Phil. 2008

### **Chemistry**

- Technological applications of luminescent, colorimetric and absorption based sensors / Stephen Robert Ricketts. Ph.D. 2009
- Protonated terpene chemistry and other reactions studied by high pressure source mass spectrometry and molecular orbital theory calculations / Lee Parry. Ph.D. 2009
- Photochemical characterisation of some novel luminescent materials / Karen Rofe. Ph.D. 2008
- Synthesis and photochemical characterisation of luminescent gold complexes for technological applications / Jeremie Guillaume Pichereau. Ph.D. 2008
- Utilisation of indium (III) salts in organic synthesis and their role as highly efficient Lewis acid catalysts / Brendan Smith. Ph.D. 2008

### **Civil and Computational Engineering Centre**

- Development of a cell centred upwind finite volume algorithm for a new conservation law formulation in structural dynamics / Chun Hean Lee. Ph.D. 2012
- 
- Multimedia ad hoc networks : design, QoS, routing and analysis / Raad Alturki. Ph.D. 2011
- Joint diagonalization solutions for linear stochastic finite element equations / Feng Wang. Ph.D. 2011

- Implicit deformable models for biomedical image segmentation / Si Yong Yeo. Ph.D. 2011
- Two-step Taylor-Galerkin formulation for explicit solid dynamics large strain problems / Izian Abd Karim. Ph.D. 2011
- Gaussian process emulators for the analysis of complex models in engineering / Francisco Alejandro Diaz De la O. Ph.D. 2011
- Aspects of interface modelling in fluid-structure interaction problems / Martina Maria Joosten. Ph.D.,2011
- Computational multi-scale constitutive model for wood cell-wall mechanics / Erick Isaac Saavedra Flores. Ph.D. 2011
- Finite element modelling of material and structural behaviour of fibre reinforced plastics / Christopher J. Moreton. Ph.D. 2011
- Quasi-positive families of flux continuous finite volumes schemes in two and three dimensions / Hongwen Zheng. Ph.D. 2010
- Composite beams with openings in metal-ribbed decking slabs / Shahrizan Baharom. Ph.D. 2010
- Development and testing of a particle swarm optimizer to handle hard unconstrained and constrained problems / Mauro Sebastian Innocente. Ph.D. 2010
- Structural optimization in engineering design with a focus on process automation / Fabian Fuerle. Ph.D. 2010. Barred until end 2013
- Computational multi-scale simulation of implant for bone fracture repair / Victoria L. Kidgell. Ph.D. 2010
- Computational strategies for multi-scale analysis of solids : small and large strain formulations / D. Deniz Somer. Ph.D. 2010
- Locally conservative Galerkin approach for subject-specific biofluid dynamics / Rhodri L. T. Bevan. Ph.D. 2010
- Computational strategies for predicting localisation in forward modelling of geological structures / Jun Kato. Ph.D. 2010
- Innovative approach to STEM based industry-academic collaboration / William Martin Krawszik. Ph.D. 2009 (Barred until the end of 2014 – cannot be used)
- Low Reynolds number heat transfer prediction employing Large Eddy Simulation for electronics geometrics / James C.Tyacke. Ph.D. 2009
- Computational modelling of structures using discrete and finite elements / Ricardo Teixeira. Ph.D. 2009
- Development of a computational framework coupling the non-newtonian lattice boltzmann method and the discrete element method with application to block caving / Christopher Ross Leonardi. Ph.D. 2009
- Multi-dimensional higher resolution methods for flow in porous media / Mohamed Sadok Lamine. Ph.D. 2009
- Experimental and numerical study of an electro-osmotic flow based heat spreader / by Connie Pey Fen Eng. Ph.D. 2009
- Linking of process modeling of hopper-bottomed clarifier and computational fluid dynamics / Brenda Ching Tsia Lee. Ph.D. 2009
- Relevance of catchment management to drinking water safety plans with the UK with particular emphasis on Wales / Robert Scott Keirle. Ph.D. 2009
- Behaviour of bolted connections with high strength and stainless steel / Syahril Taufik. Ph.D. 2008

- Finite element solution of the Boltzmann Equation for rarefied macroscopic gas flows / by Benjamin James Evans. Ph.D. 2008
- Applications of artificial intelligence in constitutive modelling of soils / by Stefanos Drakos. Ph.D. 2008
- Time-domain numerical solution of Maxwell's electromagnetic equations, via the fourth order Runge-Kutta discontinuous Galerkin method / Matthew Boat. Ph.D. 2008
- Study of the characteristic based split scheme (CBS), considering the incorporation of 'speed up' techniques / Ray Hickey. Ph.D. 2008
- Examination of the factors affecting quality on continuous annealing processing lines / Paul Saunders. Eng.D. 2008
- Condition monitoring of rolling contact bearings via acoustic emission / Zak Quiney. M.Phil. 2010
- Computational blood flow studies on model and realistic geometries / Yatishchandra Yatishchandra. M.Phil. 2010
- Drinking water safety plans: from conception to implementation at Cambridge Water Company / Andrew Lobley. M.Phil. 2009
- Nonlinear finite element simulation of non-local tension softening for high strength steel material / F.M. Tong. M.Phil. 2009
- GPU accelerated mesh simplification / Michael Hudson. M.Phil. 2009
- Experimental study of heat transfer in the cooling channels of gas turbine blades / Peter Ambrose Matthews. M.Phil. 2008
- Seismic response of steel and composite steel joints with semi-continuous connections / J. D. Parameshwar. M.Phil. 2008
- Fatigue behaviours and dynamic responses of wheelchairs - a finite element approach / Richard Cook. M.Res. 2011
- Measuring and characterising underwater background noise in Ramsey sound / Charlotte Haywood. M.Res. 2011
- Hydropower in the River Twrch : a feasibility study / Richard Smith. M.Res. 2011
- Considerations of a novel marine energy device / Georgios Kosmas. M.Res. 2011
- 'Leading by example' : Biodiesel : A Welsh perspective / Elizabeth Locke. M.Res. 2011
- Contaminated land inspection strategy for Wales / Kelly Holmes. M.Res. 2011
- Protocols for assessing any given site for the feasibility of a hydropower scheme - with reference to a tributary of the River Wye / Lucy Jayne Webb. M.Res. 2011
- Evaluation of a new MR-based diagnostic, fineSA<sub>m</sub> (fine structure analysis) for assessing bone health / Amanda Cox. M.Res. 2011
- Optimization of cross-sectional area of prisms within fineSA, for MR signal processing / Craig Stephen Jackson. M.Res. 2011
- Energy saving at Swansea University by using smart metering technology / Chun-Chen Lin. M.Res. 2011
- Lifetime prediction and life cycle analysis of tree shelters / Karen Hardy. M.Res. 2011

- Review of lead, copper and nickel in european drinking water / Nina Danielle Skubala. M.Res. 2010
- Predicting the performance of tidal stream turbine arrays using computational fluid dynamics / Stephen Patterson. M.Res. 2010
- Review of the sediment characteristics within Swansea Bay and the possible effects of a tidal lagoon / Lauren Tait. M.Res. 2010
- Carbon footprint of a hazardous waste landfill company for the operating year 2007/ Peter Michael Barnes. M.Res. 2010
- Microscopic simulation and data visualisation of road traffic and sensors using car following model / Hung San Wong. M.Res. 2010
- Non-invasive and inverse property estimation of human arteries / Amarpal Singh Kapoor. M.Res. 2010
- Feasibility study of hydropower within Milford Haven Marina / Benjamin Harris. M.Res. 2010
- Sustainability of ortho-phosphoric acid dosing for plumbo-solvency control / Nathan Gwyn Phillips. M.Res. 2009
- Factors affecting the performance of metal to metal seals / Alexander David Taft. M.Res. 2009
- Three-dimensional-multi- physics model of the right ventricle of the heart / Michael Devereux-Cole. M.Res. 2009
- Computational fluid dynamics analysis of the Wales National Competition Pool / Wen Zyn Lim. M.Res. 2009
- Lattice Boltzmann modelling of common single phase and multiple component fluid flows / Bruce Jones. M.Res. 2009
- Simulating multi physics using the finite volume method / by Shaun Fields. M.Res. 2009
- Behaviour of cryptosporidium parvum oocysts under swimming pool filtration conditions / Harriet Henley. M.Res. 2009
- Further studies into the development of a rapid cuprosolvency test rig and an investigation into brass water manifolds / Stephen Hepple. M.Res. 2009
- Environmental impact assessment of underwater noise from the installation of marine energy devices / Michael Bhurosah. M.Res. 2009
- Random matrix approach for stochastic finite element method / Blanca Pascual. M.Res. 2008
- Numerical model of the glacier midre Lovenbreen / by Jennifer Bradley. M.Res. 2008
- Numerical procedures for stabilised finite element formulation of fluid flows with reference to one-dimensional applications / Miodrag Kovacevic. M.Res. 2008
- Computational modelling of parachute dynamics in turbulent flow / Tim Tudor. M.Res. 2008

### **Electrical Engineering**

- Investigation into the levels of harmonic voltages due to new variable speed drives / Stuart Lee Llewellyn. M.Phil. 2008

### **Institute of Advanced Telecommunications**

- Novel application of thermal fingerprint and finger vein recognition technologies in the construction industry / Bin Chen. Ph.D. 2009
- Investigation of quality of services (QoS) support for real-time or mission critical services over IEEE 802.11e wireless networks / Kenneth Nwizege M.Phil. 2010
- Single element beam steerable antenna for UWB systems : double square loop antenna / by Arun Raaza. M.Res. 2008
- Optical regeneration : numerical study of self-phase modulation based spectral broadening within chalcogenide glass fibre / David James Bolt. M.Res. 2008
- Discovering traffic information using visualisation and virtual reality / Gareth Ayres. M.Res. 2008

### **Marine Energy Research Group**

- Tidal resource analysis off the Pembrokeshire coast / Timothy Colin Wroblewski. M.Res. 2012

### **Centre for Nanohealth**

- Characterising human endometrial epithelium with the atomic force microscope / Lewis Webb Francis. Ph.D. 2009

### **Materials Research Centre**

- Multi-axial and thermo-mechanical loading effects in nickel-based disc superalloys / Stephen John Pattison. Eng.D. 2012 Barred until end of 2017
- Characterization and prevention of UV photodegradation of dye-sensitized solar cells / Matthew John Carnie. Eng. D. 2011
- Thermo-mechanical fatigue in nickel disc alloys / Martin White. Eng. D. 2011
- Processing, microstructure and mechanical properties of an advanced nickel base powder metallurgy superalloy / James Richard May. Eng. D. 2011
- Applications of near infrared heating to the coil coating industry / Ian Mabbett. Eng. D.2011
- Examination of the corrosion resistance of zinc-magnesium and zinc-aluminium-magnesium coated steels / Christopher Weirman. Eng. D. 2011
- Characterisation of steel cut edges for improved fatigue property data estimations and enhanced CAE durability / Daniel John Thomas. Eng. D. 2011
- Improved formability of dual phase steels / Joel Morris. Eng.D. 2011
- Continuous annealing of multiphase steels / David Gareth Mumford. Eng. D. 2010. Barred until end of 2015.
- Photodegradation resistance of polymer coatings for pre-finished steels / Samantha Cashmore. Eng. D. 2011
- Synthesis of phthalocyanines for dye sensitized solar cells and stabilised pigment systems / Sarah Rugen-Hankey. Eng. D. 2010
- Modelling of the resistance spot welding process of sheet steel products / James Kerr. Eng. D. 2010
- Reliable durability assessment of welded yellow goods equipment / Dean Flynn. Eng. D. 2010

- Synthesis of phthalocyanines for dye sensitized solar cells and stabilised pigment systems / Sarah Rugen-Hankey. Eng. D. 2010
- Application of modelling techniques to identify material properties for cost effective and high quality profiling / Stuart J. Gilmartin. Eng. D. 2010
- Investigation of metal substrates for photovoltaic applications / Bruce Philip. Eng. D. 2010
- Examination of the corrosion resistance of zinc-magnesium and zinc-aluminium-magnesium coated steels / Christopher Weirman. Eng. D. 2011
- Modelling of the resistance spot welding process of sheet steel products / James Kerr. Eng. D. 2010
- Corrosion behaviour of new packaging materials at local defects / David J. Warren. Eng.D. 2010
- Simulation of industrial granular flow and its effects on the sinter plant operation / Lee Bridgeman. Eng.D. 2010
- Development of thermal paints for aerospace component assessments / Michael Gareth Hughes. Eng. D. 2009 (This thesis is barred until June 2014 and cannot be used until then).
- Development of novel TRIP strip steel grades for automotive applications / Mark Moody. Eng. D. 2009
- Metallic and organic coating development for high performance pre-finished steels / Christopher James. Eng.D. 2009 (Barred until end of 2015 – cannot be used)
- Novel anti-corrosion coatings on steel / Andrew Richard Bennett. Eng. D. 2009 (Barred until end of 2014 – cannot be used)
- Phase transformation behaviour in vanadium and niobium bearing hot rolled dual phase steels / Karl Adcock. Eng. D. 2009
- Numerical finite element modelling of the high speed resistance welding process / Richard Burrows. Eng. D. 2008
- Optimised connection systems in dynamic safety barriers / David Andrew Bayton. Eng. D. 2008
- Joining of precoated sheet steels to dissimilar construction materials / by David Thomson. Eng. D. 2008
- Next generation polyurethanes for enhanced durability pre-finished architectural steel products / Jenet Wray. Eng.D. 2008 (Barred until the end of 2013 – cannot be used).
- Computer aided engineering methodology for the durability assurance of welded automotive components / Jenny-Louise Ollier. Eng. D. 2008
- The joining of advanced high strength steels using resistance spot welding / Christopher Carl Edward Miller. D.Eng. 2008
- Strain induced precipitation in vanadium HSLA strip steels / Owen Illingworth. D.Eng. 2008
- Creep lifting methods for components under high temperature creep / Zakaria A.M. Abdallah. Ph.D. 2011
- Fatigue crack trajectories in thin sheet nickel based combustor superalloys / Barry Garnham. Ph.D. 2011 Barred until end 2016
- Relating moisture ingress to component strength and stiffness for carbon-fibre composites / Joanne Maureen Ryan. Ph.D. 2011
- Filiform and pitting corrosion of aluminium alloys / Adam Holder. Ph.D. 2011

- New design methodology for composite materials exposed to humid, high temperature environments / Richard Adams. Ph.D. 2010. Barred until end of 2015
  - Grain boundary engineering of pure copper / Mark Coleman. Ph.D. 2009
  - Grain boundary engineering of austenitic stainless steels / by Richard Peter Jones. Ph.D. 2009
  - Finite element approach for relating moisture ingress to strength in composite materials / Christopher Sunil Parkin. Ph.D. 2009
  - Novel joining and repair of aerospace materials / John Forsdike. Ph.D. 2009 (Barred until end of 2015 – cannot be used).
  - Impact and fatigue properties of natural fibre composites / by Asim Shahzad. Ph.D. 2009
  - Comparison of the environmental impact of pyrolysis and other treatments for waste electronic equipment and plastics / by Susan Margaret Alston. Ph.D. 2009
  - Model for dealing with household plastic waste in Swansea / Luke Anthony Hopper. Ph.D. 2008
  - Microstructure evolution in Nb Alloyed Esshete 1250 creep resistant austenitic stainless steel / by Chia Yuin Wong. Ph.D. 2008
  - Notch sensitivity and crack propagation of fourth generation single crystal superalloys / by Robert Joseph Lancaster. Ph.D. 2008
  - Influence of coil creep and stress / strain redistribution on dwell sensitivity in titanium alloys / Elizabeth Eileen Sackett. Ph.D. 2008
  - Characterisation of gas turbine materials under cyclic thermal and mechanical conditions / James Edward Screech. Ph.D. 2008
- 
- Effect of thermal heat treatment on the corrosion performance of some commercial and advanced magnesium alloys / Sri Naga Pavan Addepalli. M.Phil. 2011
  - Weathering of biopolymers / Claire-Elizabeth Ramson. M.Phil. 2010
  - Rubber regeneration via plasma activation / Martin Richard Williams. M.Phil. 2010
  - Comparison of mechanical properties of virgin and recycled carbon fibres and carbon fibre- epoxy composites / Ruth M Dasary. M.Phil. 2009
  - Corus Port Talbot heavy end VMS systems upgrades / Stephen Gibson Harvey. M.Phil. 2008
- 
- Investigation into the galvanic corrosion in seawater of a range of offshore and subsea materials / Thomas Stobbart. M.Res. 2012
  - Characterisation of Vale's nickel plating products / Jack Howard Malone. M.Res. 2011
  - Analysis and assessment of a new metal treatment / Patrick Dodds. M.Res. 2011
  - Control of effluent from continuous coating lines / Daniel James Aylett. M.Res. 2011
  - Novel hybrid coatings for high temperature applications / James Leung. M.Res. 2011
  - Characterisation of the structural performance of thermal insulation panels / Michael Wyndham Davies. M.Res. 2011



- Applying the Wilshire equations to grades 22, 23 and 24 steel / John Blows. M.Res. 2011
- Property comparison of hot finished and cold formed steel tubes / Nathan Edward Cooze. M.Res. 2011
- Five parameter analysis of a high performance copper based alloy / Paul Barwood. M.Res. 2011
- Development of a secondary steelmaking alloy model / Christopher Daniel Williams. M.Res. 2011
- Application of thermal desorption within Tata steel strip products, U.K. / Fiona Abbott. M.Res. 2011
- Investigation of corrosion issues of galvanised frames for solar cells / Adam Julian Slee. M.Res. 2011
- Mechanical behaviour of cast gamma titanium aluminides / Sohidul Khaliq. M.Res. 2011
- Dewetting of thick gauge galvanised steel / Christopher Melvin. M.Res. 2011
- Application and optimization of the platinum catalyst in dye sensitised solar cells / David Alexander Wragg. M.Res, 2011
- Developing the infrared slag detection system at the BOS Plant, Port Talbot Steelworks / Rhian Thorne. M.Res. 2011
- Investigation of yield improvement through crop optimisation in the Port Talbot hot strip mill / Yi He. M.Res. 2011
- Prevention of transverse cracking in niobium micro-alloyed continuously cast steel slabs / Mark Alistair Fryer. M.Res. 2010
- Hot rolling of dual phase 600 strip steel on Llanwern Hot Strip Mill / Ian Hartfield. M.Res. 2010
- High strength steel coating characteristics related to shaft applications / Aled Thomas. M. Res. 2010
- Carbon footprint of marine renewable energy devices / Christopher Moriarty. M.Res. 2010
- Characterisation of a new through-thickness tensile test for CFRP / Neil Scott Greenlees. M.Res. 2010
- Options for contaminated plastics / by Nicole Sheri Sedgley. M.Res. 2010
- Performance of various gravity filtrate media and development of physical tests to differentiate likely service performance / by Sampan Seth. M.Res. 2010
- Development and characterisation of powder slurry for domestic appliance coil coating / Ria Louise Woffinden. M.Res. 2010
- Determining the effects of waste fibre on the mechanical properties of plastic resins / Lloyd Paul Evans. M.Res. 2010
- Chromium free inhibition for Corus colour applications / Steven Geary. M.Res. 2010
- Novel uses of superferromagnetic nano-particles within industrial coatings / Ashley Bryce Pursglove. M.Res. 2010
- Control of galvanised strip surface roughness through temper mill at ZODIAC / Steve Pearce. M.Res. 2010
- Development of a processing route for producing galvanised dual phase steel at the Zodiac Galvanising Line / Iwan Davies. M.Res. 2010
- Monitoring programme of diffuse nickel air emissions at Vale Inco Nickel refinery, Clydach / Catrin Sian Phillips. M.Res. 2010. Barred until 2016

- Fourth generation single crystal superalloys and advanced lifing methodologies / Adam Michael Steele. M.Res. 2010. Barred until end of 2015
- Examination of the causes of & means to reduce non-rubber contaminants in recycled tyres / Nia Rhiannon Sullivan. M.Res. 2009
- Effect of absorbed moisture on the bearing strength of carbon fibre composites / Sanjooram Paddea. M.Res. 2009 (Barred – cannot be used until the end of 2013)
- Determination of diffusion coefficients for water in CFRP in different orientations / Shyam Dauhoo. M.Res. 2009 (Barred – cannot be used until the end of 2013)
- Anaerobic digestion systems and efficiencies; with special focus on cellulose / Matt G. Smith. M.Res. 2009
- Joining and repair of IN718 aerospace materials / Jonathan Lewis Wisbey. M.Res. 2009
- Surface properties of high strength steels for aerospace applications / Steven McAdam. M.Res. 2009
- Investigation on microstructural rejuvenation in a PWA1483 ex-service single crystal gas turbine blade / Oui How Tan. M.Res. 2009
- Bio-based thermal insulation : a review of traditional & renewable insulation materials / Adam Anthony Davies. M.Res. 2009
- Goss oriented grain growth during secondary recrystallisation in grain oriented silicon steel / Joshua Henry Lay. M.Res. 2009
- Analysis of the potential for landfill mining in Wales / Catherine Herlihy. M.Res. 2009
- "Barriers to recycling and effective advertising" / Lindsey Jane Hill. M.Res. 2009
- Erosion corrosion of 316 stainless steel centrifuge bowls / Geraint Alun Havard. M.Res. 2009
- Assessment of effectiveness of different communication methods to kerbside collection schemes / Clemence Twiggs M.Res. 2009
- Roll roughness degradation : a study on Llanwern 5 stand continuous cold rolling mill / Gavin Thomas. M.Res. 2009
- Anaerobic digestion systems and efficiencies; with special focus on cellulose / Matt G. Smith. M.Res. 2009
- Carbon footprint for a water company / Lindsay Alana Hughes. M.Res. 2009
- Biofuel analysis and life cycle assessment of mono-alkyl esters of waste vegetable oil and their byproducts / James Killian. M.Res. 2009
- Assessment of effectiveness of different communication methods to kerbside collection schemes / Clemence Twiggs M.Res. 2009
- Determination of diffusion coefficients for water in CFRP in different orientations / Shyam Dauhoo. M.Res. 2009. Barred until end of 2013
- Survey and analysis of the kitchen waste kerbside collection scheme in Swansea / Henry Christopher Roy Hilsdon. M.Res. 2008
- Zinc aluminium alloy batch galvanising of sheet steel assemblies / Kevyn John Bevan. M.Res. 2008
- Life cycle and techno-economic analysis of industrial sponge nickel catalysts used in hydrogenation reactions / Chloe Johns. M. Res. 2008
- Life cycle analysis comparing hydrogen fuel cell electrodes made from platinum with sponge nickel / David Eaves. M.Res. 2008

- Novel creep analysis technique applied to structural materials / Zakaria A.M. Abdallah. M.Res. 2008
- Rubber recycling / Martin Richard Williams. M.Res. 2008
- Understanding and eliminating the root causes of 3rd octave chatter (shudder) on the Trostre 5-stand tandem cold mill / John Roland Durrant M.Res. 2008
- Environmental effects on the mechanical properties of carbon fibre reinforced plastic (CFRP) / Russell George Older. M.Res. 2008 (Barred until end of 2012 – cannot be used).
- Development of DP600 on the zodiac galvanising line at Llanwern - Corus Strip Products UK / Rhodri Davies. M.Res. 2008 (Barred until end of 2013- cannot be used).
- Investigation and development of cuprosolvency testing methods using a simple pipe test rig / Rachel Woods. M.Res. 2008
- Fatigue assessment of high performance steels / Michael Howard Davies. M.Res. 2008
- Development of a grain size measurement system for hi B grain-oriented electrical steels / Steven James Turner. M.Res. 2008
- Implementation of best practice for descaling and scale suppression at Llanwern hot strip mill / Robin Wyndham Gibbon. M.Res. 2008
- Localised joining and salvage of high temperature aerospace alloys / Bobby Tsang. M.Res. 2008
- Characterisation of alternative 2CrMo weld metals / Aran Barry Jaques Clarke. M.Res. 2008

### **Multidisciplinary Nanotechnology Centre**

- Rheological and microstructural studies of biopolymer systems / Daniel Jonathan Curtis. Ph.D. 2012
- Surface interaction characterisation of microbial fuel cell organism *Shewanella oneidensis* / Maia Kierann Shah. Ph.D. 2011
- Coded systems and techniques for wireless communications with / without relays / Ba Duc To. Ph.D. 2011
- Error rate performance metrics for digital communications systems / Mohamed A. M. Hassanien. Ph.D. 2011
- Physical and structural changes throughout the drying of solvent based inks / Christopher Chapman Ph.D. 2011
- Printing fine solid lines in flexographic printing process / Mohammed Sallehuddin Bin Yusof. Ph.D. 2011
- Production of bacteriocins from lactic acid bacteria / Myrto-Panagiota Zacharof. Ph.D. 2011
- Development of integrated nanofiltration system for highly concentrated dye removal / Abu Zahrim Yaser. Ph.D. 2011
- Coded cooperative diversity with low complexity encoding and decoding algorithms / Saif Enad Ahmad Alnawayseh. Ph.D. 2011
- Characterisation of buried conjugated polymer interfaces by off specular neutron scattering / David William James. Ph.D. 2011
- Performance analysis of vehicular networks for motorway scenario / Yamini Harikrishnan. Ph.D. 2011

- Irregular block turbo codes for communication systems / Abiodun Olugbenga Sholiyi. Ph.D. 2011
- Beam steerable square loop antenna over hybrid high impedance surface / Prafulla Deo. Ph.D. 2011
- Optical gain clamping in erbium doped fibre amplifier : investigation in optical burst switching networks / Marcelo Zannin da Rosa Ph.D. 2011
- Biofouling of reverse osmosis membranes : from characterisation to control / Lydia Charloote Powell. Ph.D. 2011
- Rheometrical study of blood coagulation / Ahmed M. Sowedan. Ph.D. 2011
- DNA printing on polymer substrates : towards cost-effective medical diagnostic devices / Ruobo Ren. Ph.D. 2011
- Spectroscopy, modeling and investigation of thulium doped tellurite glass / Masaud Abdusalam Taher. Ph.D. 2011
- Study of how a region can lever participation in a global network to accelerate the development of a sustainable technology cluster / James Vincent Andrew Abbey. Ph.D. 2010
- Lattice reduction and list based low complexity MIMO detection and its applications / Lin Bai. Ph.D. 2010
- Manufacture of bioscaffolds by printing / Woan Yi Soo. Ph.D. 2010
- Novel application of radio frequency identification (RFID) in precast concrete manufacture and lifecycle management / Akshay Peer. Ph.D. 2010
- Assessment of footsteps as a biometric in a multimodal context / Ruben Vera Rodriguez. Ph.D. 2010
- Electric force microscopy of one dimensional nanostructures / Kimberley F. Bell. Ph.D. 2010
- Investigation of fibre optical parametric amplifiers in telecommunications / Mehdi Jamshidi Far. Ph.D. 2010
- Phenomena affecting ink transfer in offset lithographic printing / Georgios Vlachopoulos. Ph.D. 2010
- Zinc recovery from wastes and the environment at low concentrations / Emadeddin Hassan Gejam. Ph.D. 2010
- Photophysical studies of triarylamine dyes and an investigation into polyelectrolyte-DNA interactions / Matthew Lloyd Davies. Ph.D. 2010
- Novel application of radio frequency identification (RFID) in precast concrete manufacture and lifecycle management / Akshay Peer. Ph.D. 2010
- Manufacture of bioscaffolds by printing / Woan Yi Soo. Ph.D. 2010
- Experimental investigation of high-power continuous-wave fiber optical parametric amplifiers and oscillators / Rohit Malik. Ph.D. 2010
- Microstructure and mechanical properties of fibrin gels / Thomas Marc Davies. Ph.D. 2009
- Blood clot microstructures : the role of engineered and combustion derived carbon particulates in thrombus formation / Oliver James Puckering. Ph.D. 2009
- Discrete element modelling of particulate flow in die filling and powder transfer / Mohd Radzi bin Mohamed Yunus. Ph.D. 2009
- Silicon carbide power MOSFET technology / Michal Lodzinski Ph.D. 2009
- Soil water repellency : comparison between individual particles and bulk properties / Julia Bayer. Ph.D. 2009

- Controlling interface roughness and film structure in conjugated polymer / insulating polymer bilayers / Shion Seng Chang. Ph.D. 2009
  - Towards the development of one dimensional zinc oxide nanostructures as biosensor / by Michelle Tien Tien Tan. Ph.D. 2009
  - Cavitation properties of liquids : temperature and stressing rate effects / Han Hoi Chan. Ph.D. 2009
  - Influence of feed formulation on properties of marine fish farm effluents / by Jack James. Ph.D. 2009
  - Investigation into the different methods and applications of technology for the thermal management of light emitting diodes / by David Way Sang Chan. Ph.D. 2009
  - Automatic classification of defects in aboveground storage tanks via magnetic flux leakage / by Alicia Romero Ramirez. Ph.D. 2009
  - Production of macroporous polymer films utilizing the breath figure method for applications in tissue engineering / by Richard Phillips. Ph.D. 2009
  - Feasibility of polymer enhanced ultrafiltration (peuf) for heavy metals retention under competitive conditions / Fahad M.Almutairi. Ph.D. 2009
  - Photochemical characterisation of some novel luminescent materials / Karen Rofe. Ph.D. 2009
  - Numerical modelling of a moist casting self-assembly process leading to ordered macro-porous polymer films / Huw Battenbo. Ph.D. 2008
  - Rheology of bio-gels / by Matthew James Lawrence. Ph.D. 2008
  - Dye sensitised solar cells and time resolved photoacoustic calorimetry on thin films / Johann J. A. Schabauer. Ph.D. 2008
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