



Prof. Robert Steinberger-Wilckens
Director (UoB)
r.steinbergerwilckens@bham.ac.uk



Prof. Gavin Walker
Deputy Director (UoN)
gavin.walker@nottingham.ac.uk



Dr Lisa Jackson
Deputy Director (LU)
l.m.jackson@lboro.ac.uk



Dr Dan Brett
Deputy Director (UCL)
d.brett@ucl.ac.uk



Prof. Nigel Brandon OBE FREng
Deputy Director (Imperial College London)
n.brandon@imperial.ac.uk



Dr Neil Rees
Assistant Director (UoB)
n.rees@bham.ac.uk



Dr Aman Dhir
Centre Manager (UoB)
a.dhir@bham.ac.uk



John C Hooper
CDT Project Officer (UoB)
j.c.hooper@bham.ac.uk



Coupling high performance metal hydride hydrogen storage to SOFC systems
Arvin Mossagegh Pour
JSW467@bham.ac.uk



Fuel cells and hydrogen for balanced renewable energy
Yousif Al-Sagheer
YIW213@bham.ac.uk



Developing novel substrates for SOFC cells
Nor Arifin
NAA335@student.bham.ac.uk



Microtubular SOFC operating on bio methane
Lina Troskialina
LXT933@bham.ac.uk



Development of a control system for the solid oxide fuel cell stack with combined heat and power systems
Tsang-I Tsai
TXT961@bham.ac.uk



Research Fellow
Sauv and Rees Project
Antony Meadcroft
ADM910@bham.ac.uk



SOFC materials
Nikkia McDonald
NXM196@bham.ac.uk



Composite Electrolyte Membranes for Electrochemical Energy Conversion in Polymer Fuel Cells
Carolina Branco
CMB376@bham.ac.uk



Decentralised supply of electricity, heat and other services with a PEFC
Eridei Amakiri
ELA324@student.bham.ac.uk



Advanced Nanoparticles for Fuel Cell Application
Yaxiang Lu
YXL210@bham.ac.uk



Development of a Fuel Cell Powered Refridgerated Truck
Vikrant Venkataraman
vvenkataraman@pgr.bham.ac.uk



Mathematical modelling of behavioural responses to fuel cell applications
Rosanna Bullock
RXB658@bham.ac.uk



Mathematical modelling of oscillatory behaviour in methane powered SOFCs
Jonathan Sands
JXS516@bham.ac.uk



Syngas production from biochar followed by purification for SOFC use
Anwar Sattar
AXS164@bham.ac.uk



High temperature PEMFC stacks for vehicles, improving start-up time and lifetime
Amrit Chandan
ASC733@bham.ac.uk



Catalysis: reducing platinum loading using micro-organism based platinum nano-particles for PEMFCs
Anna Williams
ARW004@bham.ac.uk



Characterizing the redox active species within liquid catholyte proton exchange membrane fuel cells
James Courtney
JMC991@bham.ac.uk



Survey of existing membranes including new membrane development and testing for IT and HT PEMFCs
Mariska Hattenberger
MXH070@bham.ac.uk



Gas cleaning using dense metallic membranes such as thin film palladium for hydrogen purification
Nasar Al-Mufachi
NAA037@bham.ac.uk



Standardising new test and characterisation procedures for PEMFCs in support of longer life and improved reliability
Nicolas McCarthy
MXM910@bham.ac.uk



Solid oxide electrolyzers for lower cost hydrogen production through steam electrolysis
James Watton
JPW051@bham.ac.uk



Novel method to the integration of a fuel cell system into a UAV with a view to improving vehicle weight and payload capacity
Wasim Bhatti
WAB073@bham.ac.uk



The political economy of hydrogen energy; mapping discourse and action
Gareth Thomas
GXT056@bham.ac.uk



Light metal hydrides for hydrogen storage materials
Rosalind Davies
RAD197@bham.ac.uk



Control systems for fuel cells and hybrid powered man-portable unmanned aircraft systems
Simon Howroyd
SRH186@bham.ac.uk



Photochemical hydrogen production using new and developed materials to produce a prototype PEC anode
Henry Burch
HAB037@bham.ac.uk



Thermal management of evaporatively cooled fuel cell vehicles
Ashley Fly
AJF167@bham.ac.uk



Solid oxide fuel cell degradation
John Maillard
JGM752@bham.ac.uk



Integration of a fuel cell into domestic housing for CHP applications
Theo Elmer
TXE163@bham.ac.uk



Reliability analysis and lifetime predictions of PEM fuel cells using experimental and modelling techniques
Michael Whiteley
MFW170@bham.ac.uk



Characterisation of and hydrogen gas generation from digestate waste
Lydia Gurley
LXG132@bham.ac.uk



Integration and optimisation of a sustainable hydrogen energy system for combined stationary and transport use
Gulcan Sedaroglu
emxgs@nottingham.ac.uk



Techno-Economic analysis of a Microbial Fuel Cell driven anaerobic digestion process
Sandy Lamond
emxal@nottingham.ac.uk



Discovery of Novel Materials for Solid State Storage of Hydrogen
Oliver Deavin
emxod1@nottingham.ac.uk



Nanotoxicological Properties of Fuel Cell Emissions
Fatima Zia
FXZ213@bham.ac.uk



Control of a Fuel Cell Vehicle
Tom Fletcher
T.P.Fletcher@lboro.ac.uk



Niche market applications and the marketing of hydrogen and fuels cells.
Scott Hardman
SXH993@student.bham.ac.uk



Developing new catalysts for protic ionic liquid fuel cells following research of the mechanism of the oxygen reduction reaction
Sean Goodwin
pcxseg@nottingham.ac.uk



Photocatalytic (solar) production of H2 with size-selected, tunable nanocatalysts
Caroline Blackmore
CEW825@bham.ac.uk



Photoelectrochemical generation of hydrogen
Andrew McInnes
a.mcinnes-09@lboro.ac.uk



Development of chemi-resistance based thick film CO sensor in a moist H2 stream
Danielle Pearce
D.Pearce@lboro.ac.uk



Next generation electrocatalysts
Miguel Angel Molina Garcia
MAM367@bham.ac.uk



Enhancing Fuel Cell Lifetime Performance through Effective Health Monitoring and Decision Support
Ben Davies
B.Davies2@lboro.ac.uk



Applications of Life Cycle Methodology to Hydrogen from Biomass
Sophie Alice Archer
SAA329@bham.ac.uk



Research into PEMFC catalysts
Hal Robbs
PHR335@bham.ac.uk



Ionic liquid-polymer composite membranes for intermediate temperature PEM fuel cells
Daniel Smith
DES338@student.bham.ac.uk



Novel Photo-Fuel Cell for Environmental Remediation of Contaminated Water and Simultaneous Production of Renewable Energy
Sharleigh Talbot
S.Talbot@lboro.ac.uk



Investigation of Binary and Ternary Catalysts to Create Low-Cost, High Performance Electrocatalysts for Proton Exchange Membrane Fuel Cells
James Walker
JSW467@bham.ac.uk



size-selected atomic clusters for electrocatalysis and photoelectrocatalysis
Daniel Escalera López
DXE411@student.bham.ac.uk



Catalysts for methane reforming being used in a SOFC powered APU for trucks
Lois Milner
LXM101@student.bham.ac.uk



Microstructural Causes and effects of thermally driven degradation in Solid Oxide Fuel cells
Thomas Heenan
thomas.heenan.11@ucl.ac.uk



Manganese oxide-Graphene oxide hybrid support systems for DMFC (and PEMFC) applications
Aimee Jackson
AXJ472@student.bham.ac.uk



Economic photo-electrochemical route for the production of Ammonia (or solar fuels)
Jake Walls
J.M.Walls2@lboro.ac.uk



Applied and fundamental understanding of novel non platinum fuel cell catalysts in collaboration with Amalyst
Laura Allerston
LXA482@bham.ac.uk