

ethicalcareersexhibition

Seminar programme

12.00-12.30

Climate change science: careers in academia

Professor Joanna Haigh

Atmospheric Physics
Imperial College London

Climate change is one of the key challenges facing the human race today. The climate system is hugely complex and so climate research is intrinsically interdisciplinary, requiring expertise from across all areas of physical and biological sciences as well as the skills of engineers and technologists. This seminar will review some areas of climate science, explain how research is organized and funded and discuss how academics can contribute to national and international efforts in the assessment of climate change and in addressing its consequences.

**Imperial College
London**

12.30-13.00

Civil Service Fast Stream: transformational Government for a better world

Ms Lucy Yu

Chief Scientific Adviser's division
Department for Transport
(Fast Stream Programme)

The Civil Service Fast Stream is a challenging graduate scheme tailored to provide participants with accelerated learning and development. Focusing primarily on the options available through this scheme, Lucy will talk about the different opportunities available in the civil service and the day-to-day job of a policy adviser.

CIVIL SERVICE
FAST STREAM 

13.00-13.40

Creating sustainability practices for business

Ms Ritu Khanna

Business strategy advisor
SustainAbility CSR consultancy

Ms Khanna will provide the audience with a basic understanding of the sustainable business sector and SustainAbility's activities. She will also offer advice on the skills and experiences that are necessary in order to pursue such a career and the satisfaction derived from doing something that interests you/you believe in.

SustainAbility

13.40-14.20

Practical Action: making markets work for the poor

Ms Alison Griffith

Team leader
Practical Action (formerly ITDG)

The seminar will describe how Practical Action (formerly ITDG) works with communities in Africa, Asia and Latin America through developing and using appropriate technologies to find practical answers to poverty. It will highlight work under the aim "Making Markets Work for the Poor". The speaker will also give some personal reflections on careers in international development.

PRACTICAL ACTION
Technology challenging poverty 

14.20-15.00

Engineering ethics

Mr Mark Whitby

CEO and founder
WhitbyBird engineering company

Engineers are at the forefront of society's numerate conscience and, as such, have a duty to inform, educate, lobby and demand action in the creation of a sustainable future. They cover the full spectrum of social, economic and environmental issues and none can be excused by reason of specialism. This talk will be about one engineer's journey across this moral landscape.

whitbybird

15.00-15.30

Leadership in sustainable management

Professor Ross King

Director
Centre for Sustainable and Environmental Management

Professor King is the Director of the Centre for Sustainable and Environmental Management. CSEM's major activities are Education & Training (at both post-graduate and seminar level), Research and Consultancy, directed to its prime purpose of supporting the development of Sustainable Business in the UK and world-wide. CSEM was formerly the Environmental Management Centre (EMC), founded in 1990 by Ross King and Ken Knight within the Brunel Management Programme.

CSEM

15.30-16.00

How to transfer your skills to the voluntary sector

Ms Elaine Smethurst

Working for a Charity / National Council for Voluntary Organisations

The session will cover an introduction to the size and shape of the voluntary sector and describe some of the paid and unpaid work opportunities which are available, as well as tips on how to find the right organisations and jobs to suit you.

**WORKING
FOR A
CHARITY**

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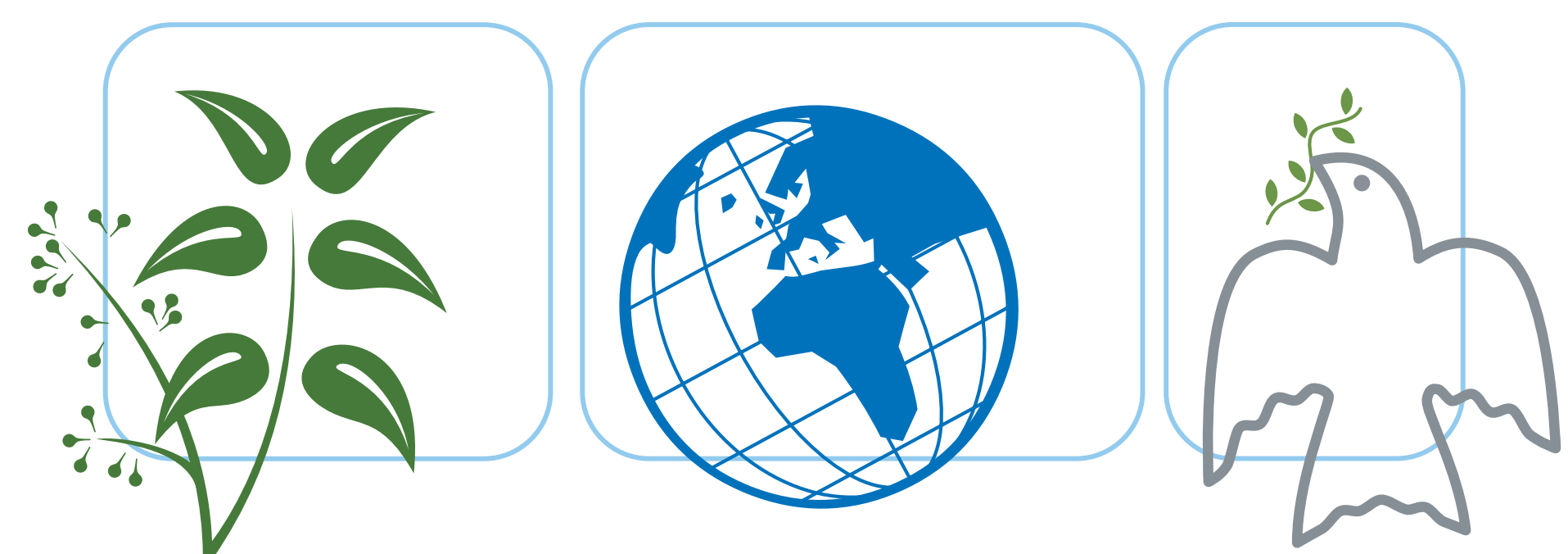


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ethicalcareersexhibition

Welcome to the Exhibition!

Introduction

The Ethical Careers Exhibition 2006 is designed to showcase the great wealth of **exciting, challenging and financially viable careers** that are available in organisations that work to promote or protect peace, social justice, or environmental sustainability. It is organised in support of the United Nations Decade of Education for Sustainable Development (2005 – 2014)

The Exhibition is **organised by students**, with the **ICU Pugwash** student society as the main organiser, and with support from the **Imperial Volunteer Centre**, the **Imperial College Careers Advisory Service**, and the **Imperial College Union**. Kind and generous financial support from **Imperial College**, the **BodyShop Foundation** and the **Imperial Volunteer Centre** has made this exciting event possible.

"I am delighted to support this unique exhibition which will open new doors to exciting and rewarding careers, tackling some of today's biggest global challenges."

*Richard Sykes, Rector,
Imperial College
London*



An 'ethical' career?

The Exhibition is deliberately **broad** in the definition of an ethical career. The intention is to showcase and promote organisations where **ethical perspectives play an important role** – not to label certain work as unethical or unworthy, or to label those who choose such careers as immoral or uncompassionate. It is a reminder of the importance of ethical issues in career choices and a **celebration of the opportunities** to enjoy work where the tens of thousands of hours spent at the office make a lasting contribution towards humanitarian or environmental efforts.

Exhibitors

The Exhibition is equally diverse in terms of the aims and activities, nature, subject areas, and contributions of the participating organisations. The exhibitors include:

- representatives from the private, public, non-profit and academic sectors, spread across the environmental and humanitarian spectra
- organisations that exist primarily to address humanitarian or environmental issues, as well as organisations that simply aim to address these issues whilst providing services or products
- organisations that offer graduate jobs, or stepping stones such as volunteering opportunities or courses, and organisations that can offer information about jobs for more experienced professionals.

Aiming for diversity

In line with the wealth of available opportunities, the Ethical Careers Exhibition is very much about **diversity**: diversity of **perspectives, sectors, subject areas, aims, and opinions**. This diversity will hopefully be of benefit to visitors and exhibitors alike, and allow us all to **widen our perspectives**.



Subject areas

International aid work
Environmental consultancy
Sustainable business management
Corporate Social Responsibility (CSR)
Energy
Socially responsible investment
International development
Conservation
Human rights and environmental law
Social enterprise
Fair Trade
Sustainable engineering
Journalism
Peace and development studies
Environmental policy

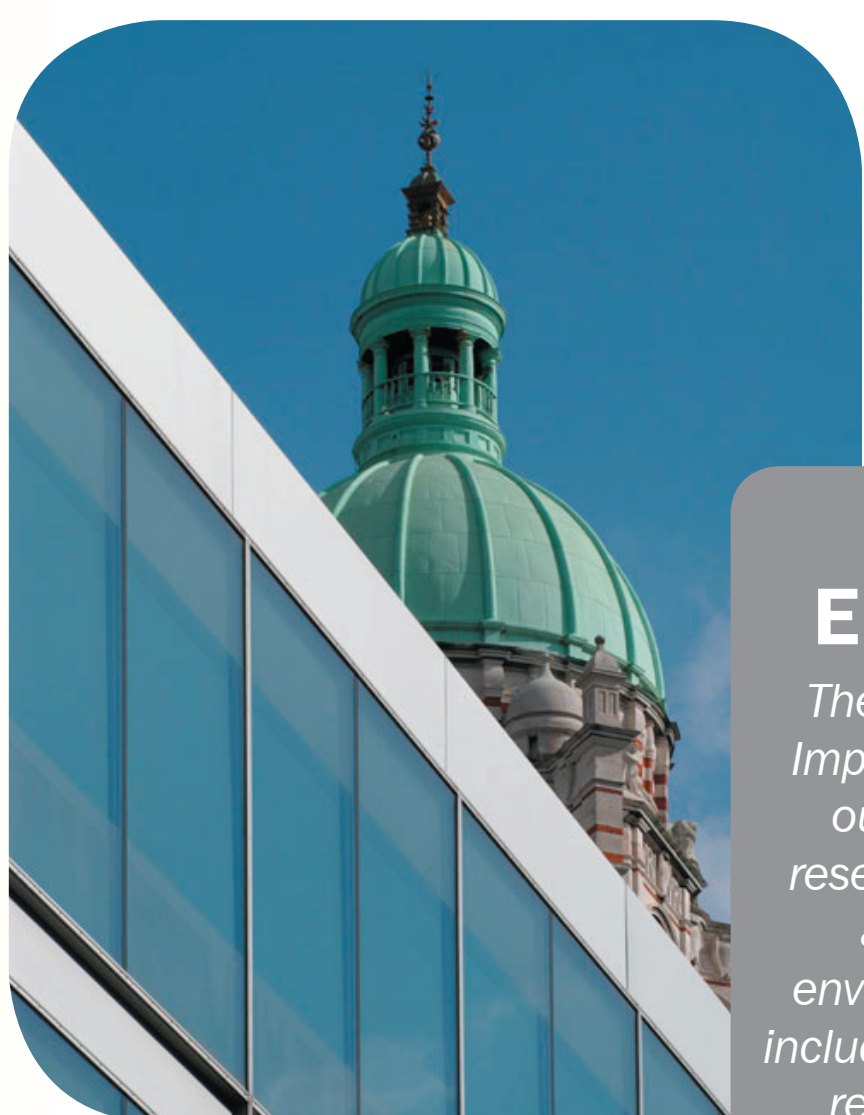
A bright future

The Exhibition reflects the fact that governments, leading academic institutions and corporations now **acknowledge the central role** that ethical issues play in future energy stability, in the development of emerging markets, and in a prosperous and progressive future for all.

Such organisations complement the vital work carried out by non-profit and social enterprises, creating a vibrant and **constantly growing mix of opportunities** to work for peace, social justice and environmental sustainability. The Exhibition displays a sample of this diverse sector which is set to become ever more significant in the future.

So if you thought that a career that focuses on peace, social justice or environmental sustainability inevitably involves a dingy office in an inconsequential organisation with poor pay and no prospects for success or career advancement – **think again!**

"We are now going through a sustainability revolution that will rival the agricultural and industrial revolutions in the way it will transform society.....Innovation and creativity will be needed to develop radical, new products and processes that are less damaging to the environment and generate new businesses and jobs. The successful and new industries of the future will be those that understand the competitive benefits of embracing the sustainable agenda now"
Industry Minister John Battle, Department of Trade & Industry, May 1999



Centre for Environmental Policy

The Centre for Environmental Policy at Imperial College combines the College's outstanding science and technology research with social science, economics and policy studies to address key environmental and development issues, including pollution, conservation of natural resources, energy, food security and poverty reduction.

Innovation Studies Centre

The Centre is an interdisciplinary research group that links the Tanaka Business School with the Imperial College faculties of Engineering and Medicine. It addresses research questions of global significance from the perspective that innovation is not just about competition and market development but equally about social and environmental sustainability. Research focuses on management of technologies as well as its social and environmental consequences.



Developing Technologies: engineering an end to poverty

Developing Technologies (DT) is a non-profit organisation based at Imperial College London that puts the institution's resources at the disposal of indigenous communities and development agencies, to target poverty alleviations and promote local capacity building.

Imperial College: an inspiring venue

Imperial College is a logical and inspiring host institution for the event. With a teaching and research strategy that rests on excellence in science and technology combined with a strong understanding of business and innovation, Imperial College London is in a unique position to contribute to sustainable development: not only through academic research in a wide range of areas but also indirectly through public, private and non-profit channels.

Energy Futures Lab: powering the future

The Energy Futures Lab at Imperial College is a research initiative designed to facilitate the transition to a sustainable energy economy. It combines the College's extensive scientific and technological capabilities in renewable energies, fuel efficiency in transport, sustainable cities, and energy efficiency, with the analysis of policy, economics and risk, to contribute to the understanding and solution of today's cross-cutting energy problems.

Faculty of Medicine: tackling disease associated with poverty

The Imperial College School of Medicine carries out major studies aimed at the intervention against diseases associated with poverty, such as HIV and TB, and hosts the UNAIDS Reference Group, an international project with a developing world focus which provides advice to the World Health Organisation on the issues involved in the estimation of the present and future prevalence and impact of HIV/AIDS.

Centre for Environmental Control and Waste Management

CECWM was founded in 1990 and was the first interdisciplinary Centre specialising in waste management in the UK. The centre combines consulting, research and training in waste management and environmental engineering issues, and does substantial work on the recycling and re-use of waste.

CeresPower: award-winning fuel cell technology

Ceres Power was originally established as a company in 2001 to acquire fuel cell intellectual property rights developed over the preceding 10 years by Imperial College. Awarded the Carbon Trust Innovation award in 2003, and numerous prestigious technology awards since, Ceres is now aims to integrate components produced in-house into finished products for end-users in the distributed power generation market.

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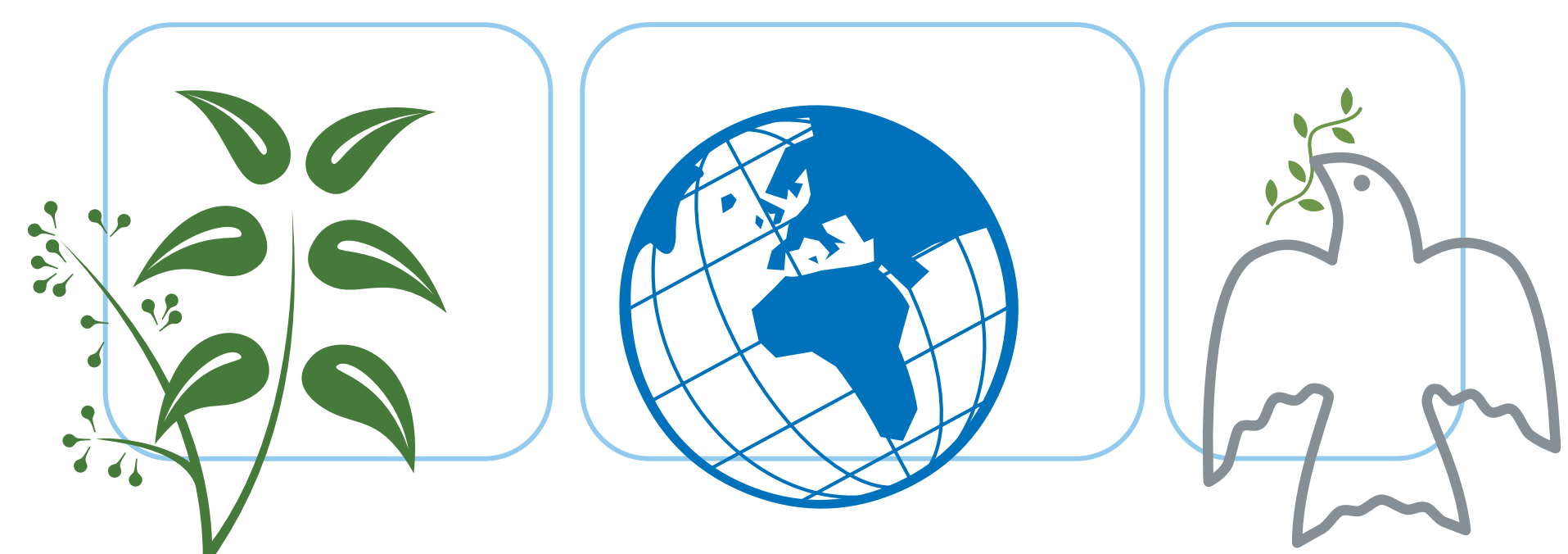
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Graduate profile snapshots

social enterprise london



Sinéad McBrearty

proves that if everything doesn't go quite right with your first degree, ethical career options are still open. Having **dropped out in her first year**, Sinéad went on to become Strategy Manager for the Financial Services Business Unit at **KPMG**, where she found time to study for a BSc from the **Open University**, among other qualifications. Feeling the need to move on to something

with a social dimension, she left the financial sector after seven years and was snapped up by **Social Enterprise London**. "I wasn't sure that the pure voluntary sector would suit me; social enterprise allows me to combine a **social agenda** with all the **fun of running a business** and making money. All profit is reinvested in supporting grassroots social enterprises." Sinéad is now involved with increasing the number of social enterprises in London. *Find out more about her work and the ever-expanding social enterprise sector at today's exhibition.*

Nigel Fitzpatrick

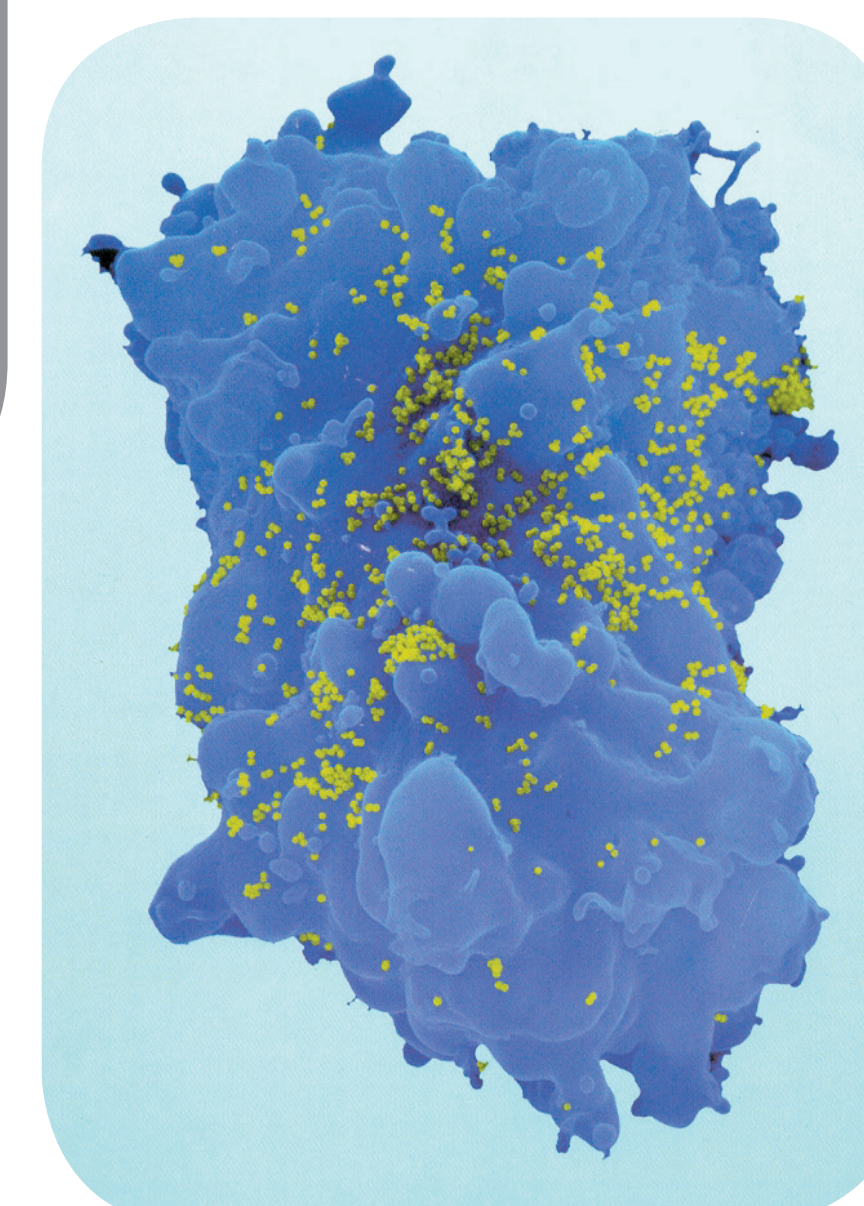
did both his degree and PhD at RSM in metallurgy, and went on to develop the process used by Alcan to recycle aluminium cans in the early 80s. Since then, he's got into **hybrid vehicles**, and set up Azure Dynamics to build them. Azure has just launched a new **hybrid electric Citibus**, and is at the cutting edge of hybrid vehicle technology. Nigel's advice for Imperial graduates? "*Remember Einstein, Newton, Arrhenius and Porsche were in their 20's when they had their best ideas... so start young!*"



Amjad Saleem, who graduated from Imperial in 2000, is currently representing **Muslim Aid in Sri Lanka**, helping to regenerate the country in the wake of last year's **tsunami**. His work involves redeveloping the devastated area, and encouraging donors to sponsor **animal adoption and tree-planting** to help get communities back on their feet.



Dr Geoff Foster, an Imperial maths graduate from 1974 recently received an **OBE** and an award from the **Schwab Foundation** in Geneva for his work in the fight against AIDS in southern Africa.



Jonathan Thomas went on from an Imperial physics degree to a career in the energy sector. He now works for the DTI to promote British technologies for **reducing carbon emissions...** and was last seen advising **Chilean pig farmers** on converting waste methane into electricity.

dti

Joanna Sprackett

studied an MSc in Engineering and the Physical Sciences in Medicine at Imperial last year. During her time here she helped organise the Union's contribution to the **Make Poverty History** campaign, including transporting 50 people to Edinburgh for the G8 counter-conference. She can now be found in Brussels working with the **Quaker Council for European Affairs** to promote peace, human rights and economic justice at the heart of the European Union.

