

Lord Sainsbury officially opens the SEIC

More than 200 invited VIPs came to celebrate the official opening of the Systems Engineering Innovation Centre (SEIC) on 16 July by the Minister for Science and Innovation, Lord Sainsbury.

The Sir Denis Rooke building was filled with exhibits and displays illustrating the types of education, training and research undertaken by industrialists and academics working together on an unprecedented scale at the centre.



Pictured at the opening of the SEIC are from the left Sir David Wallace, Lord Sainsbury, Alastair Imrie, Group HR Director of BAE Systems and Peter Phillips, Management Head of the SEIC.

Speeches by representatives of the partnership – Mike Rouse of BAE Systems, the University's Vice Chancellor Professor Sir David Wallace and Martin Briggs of the East Midlands Development Agency (emda) – explained their shared vision, each from his own perspective: industrial competitiveness, academic excellence and regional development respectively.

Lord Sainsbury contributed his views from a national perspective and applauded the SEIC initiative which would enable the UK "to leverage to the maximum our creativity and skills", noting that the centre represented the DTI's

philosophy that the quality of our lives is affected by the direct link between innovation and economic development.

This was followed by a conversation between Ron Dennis, Team Principal of West McLaren Mercedes and the Chief Executive Officer and Chairman of the McLaren Group, and Nick Ross, which illustrated the role of systems engineering in Formula One and how it helps to deliver engineering excellence and high performance on and off the Grand Prix circuit.

Displays demonstrated each of the nine research themes

currently underway at the SEIC in their three groupings: Systems Processes, Large Scale Systems and Architectures, and included the development of intelligent home environments and the human-centric research aimed at ensuring that we can all adopt these new advances with ease.

Further practical applications of systems engineering in use today included robotic vehicles for exploring hostile environments such as volcano craters, autonomous vehicles for mapping uncharted terrain and high-speed network analysis.

Rolls-Royce, emda, National Instruments, the Engineering and Physical Sciences Research Council and the Royal Academy of Engineering also exhibited, but the darling of the crowd was a Team McLaren Mercedes Formula One Car Vs SL55 AMG, which took centre stage.

VC awarded Knighthood

Loughborough University's Vice Chancellor has been awarded a Knighthood in the Queen's 2004 Birthday Honours List.

Professor Sir David Wallace, who joined the University in 1994, has been Knighted in recognition of his services to

UK Science, Technology and Engineering.

Sir David attended the University of Edinburgh as an undergraduate and postgraduate, studying theoretical physics, before carrying out further research at Princeton University. In

1972 he was appointed as lecturer in the Physics Department at the University of Southampton and in 1979 he returned to the University of Edinburgh as Tait Professor of Mathematical Physics. He was also Director of the Edinburgh Parallel Computing

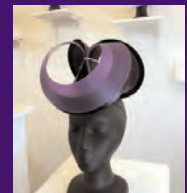
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VC awarded Knighthood

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Centre and was awarded a CBE for services to parallel computing in 1996.

He is currently Treasurer and Vice President of the Royal Society, President of the Institute of Physics and a fellow of the Royal Academy of Engineering. He is Chair of the UK e-Science Steering Committee and a Deputy Lieutenant of Leicestershire.

He is married to Elizabeth, and they have one daughter, Sara. He will be presented with his honour at Buckingham Palace in November.

Sir David said: "I am deeply honoured to receive this award. I have been incredibly lucky with the places where I have worked and the people I have worked with, and I owe a huge debt to my family."

Sir Bryan Carsberg, the University's Senior Pro Chancellor, added: "I am delighted David has been awarded a Knighthood and the University congratulates him on such a well deserved honour. Under his leadership the University has made enormous progress, to the point where it is now one of the country's leading universities."

Hay update

Job evaluation continues to make progress and some new evaluators have been trained to use Hay.

So far the evaluators have looked at many roles in the Sports Development Centre, Business School, Library, Media Services, Estates Services, Wolfson School of Mechanical and Manufacturing Engineering, Aeronautical and Automotive Engineering, Chemical Engineering, Electronic and Electrical Engineering, Human Sciences, Computer Science, Chemistry, IPTME (Institute of Polymer Technology and Materials Engineering), ESRI (Ergonomics and Safety Research Institute), Computing Services, Corporate Information Services, Physics and Mathematical Sciences.

The evaluation team are grateful to staff and their managers for the hard work which has gone into preparing these profiles. There has also been a round of quality checking and this sore thumbing process will take place again two or three times before the end of the project.

Staff from Personnel Services have met with Union colleagues to discuss the remainder of the project. Work on the appeals process will continue over the summer and discussions have

been had about gathering information from the data received and working this up into comprehensive descriptions of activities within similar roles at the University. The University has agreed to work with the AUT nationally and locally, along with representatives from Hay to develop a library of academic related jobs family profiles.

Sampling of academic roles will begin shortly and these roles will be scored under Hay and slotted against benchmarked descriptions. It is anticipated that between 5 to 10% of academics will need to complete a profile for the sampling exercise.

It is worth reiterating that the purpose of the project is to ensure that staff are rewarded with equal pay for work of equal value across the institution within a nationally agreed framework for pay, and by addressing unfairness if it is found.

Any queries regarding Hay should be addressed to Sandra Jasper, Personnel Services.

Special journal in honour of Professor

A special issue of the journal 'Reactive and Functional Polymers' has been published in honour of Michael Streat, Emeritus Professor of Chemical Engineering and former head of the department.

The entire volume 60 (July 2004) issue of the journal marks the retirement of Professor Streat as editor of the publication after 20 years of service. He was the founding editor of the journal

along with Professor Fred Helfferich of the Department of Chemical Engineering, Pennsylvania State University, USA, in 1982 and was responsible for its growth and establishment as one of the leading journals in the field of reactive polymers and surface science.

The special volume contains 21 papers submitted by authors from across the world working in Professor Streat's field of research.

Loughborough and adidas join forces to help Olympians beat the heat in Athens

As well as helping our elite athletes to prepare for the Olympics physically, scientists from the University have also been working behind the scenes to help them keep cool in the Greek heat.

Staff from the Department of Human Sciences joined forces with adidas to develop a range of sports clothing designed to keep an athlete's body at the optimal body temperature at all times.

With the Athens Games expected to be among the hottest ever, the adidas Team GB Olympic kit, officially launched in July, will keep athletes cooler and drier, allowing them to reach their peak performance.

adidas worked with Loughborough's Dr George Havenith to study human thermal physiology, or how people react to heat stress, to develop the Olympic kit. Body maps for men and women athletes were created by the University to precisely identify where the human body produces

sweat. Information was also provided on how sweating is related to different exercise levels, different climatic conditions, as well as different athlete types, body types, genders and age.

Dr Havenith explains: "For the development of Team GB's ClimaCool® apparel we provided basic knowledge on human thermoregulation which adidas has used to optimise their clothing design.

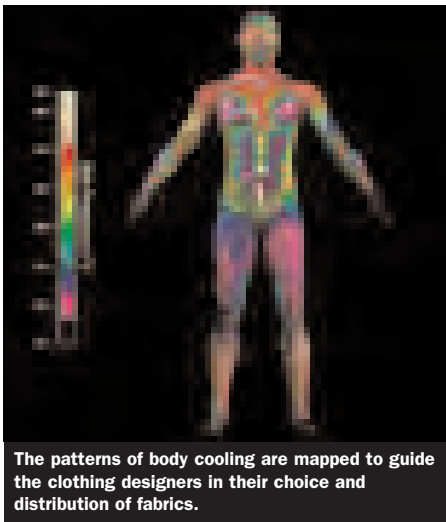
"One of our first projects involved 3D mapping of body sweat distribution. By defining areas with low and high sweat production the adidas product design team was able to map different clothing materials and design features to specific body areas. Recently we also completed a study on body cooling in which we had active and passive athletes exposed to a windy environment. By visualising the cooling pattern of the athlete's skin we provided another tool for the adidas designers deciding on the distribution of insulation and ventilation in the clothing."

James Lamont of the adidas Innovation Team added: "Body mapping is a tool which allows us to take adidas sports clothing for our elite athletes to the next level. It helps us to better understand the demands on sportspeople and sports clothing, allowing us to develop highly innovative products for our athletes in the Athens Olympics and beyond."

Based on the Loughborough research, adidas applied moisture-wicking fabrics, conductive fibres consisting of silver-coated yarns and three dimensionally structured fabrics, to key heat and sweat zones. The moisture-wicking fabrics keep the athlete cool and dry, transporting sweat away from



Photographs courtesy of adidas/Human Sciences



the skin. The conductive fibres, called X-Static, are located down the back of the shirt in a chimney construction to conduct heat, and conductive tape is applied along the inside of the neck of the shirt. This draws heat away from critical heat zones. The 3-D fabrics, located in key places on the garment, consist of hundreds of small indents on the body-side of the fabric. These indents sit off of the body, stopping the garment from clinging to the body, and maximizing ventilation across the skin.

World record holder and Olympic gold medallist in the 5,000m and 10,000m, Haile Gebrselassie, is among the many world-class athletes who have been involved in the ClimaCool® development and testing process from the beginning.

Emeritus Professor visits South Africa

Emeritus Professor Richard Wilson recently took part in a prestigious international roundtable discussion entitled 'Implementing International Education Standards – the global challenges'.

The event was held at Durban in South Africa, and was organised in collaboration with the International Federation of Accountants (IFAC), the International

Association for Accounting Education and Research (IAAER), and the Southern African Accounting Association (SAAA), under the sponsorship of the KPMG Foundation.

Professor Wilson, formerly of the University's Business School, was the only UK academic among the distinguished panel of international experts from countries across the world. Professor

Wilson's primary focus was discussing the implementation of the International Education Standard (developed under the auspices of IFAC) on professional skills.

A formal announcement was also made by IAAER during the event that the journal of which Professor Wilson is the founding editor, 'Accounting Education: an international journal', is to become the official education journal of the IAAER.

Loughborough innovators capture the formula for the perfect free kick

Researchers at Loughborough University have invented the world's first device to capture football's magic free kick formula – in an instant.

Photograph courtesy of Steve Doherty



Dr Paul Neilson demonstrates the QuinSpin technology.

To kick the perfect free kick, the ball must travel with sufficient speed and elevation to clear any defensive wall, whilst spinning fast enough to swerve away from the goalkeeper and into the goal. Until now it has not been possible to simultaneously record all of this vital information. But thanks to unique patented technology developed at Loughborough, footballers will know within seconds the minute detail of the ball's flight characteristics.

The University's Sports Technology Research Group (STRG) has been concerned with measuring the flight characteristics of balls for a number of years. Professor Roy Jones, Head of the STRG, and Chris Sumpter, a former researcher now working as a consultant, originated a method of measuring golf ball spin by using an arrangement of dots placed around the ball surface.

The QuinSpin system is an extension of the 'dot' concept and evolved out of PhD research into the kicking capabilities of elite players. Dr Paul Neilson of the STRG carried out research that

Deer Collisions Project

The parents of a Loughborough graduate who was killed when his car collided with a deer are supporting a new campaign to prevent similar tragedies from occurring.

Martin Jones, who had just graduated from the University's Wolfson School of Mechanical and Manufacturing Engineering, died in October last year aged 22. He was driving along the A34 in Hampshire when the accident happened.

Following his death Martin's mother, Tricia Davis, has become involved in the Deer Collisions Project, which aims to set up a national database of road accidents involving deer and come up with preventative measures. The police, county councils, insurance companies, National Trust, RSPCA, British Deer Society and the Forestry Commission are involved.

involved gathering data on hundreds of premiership kicks to test footballs. Rather than painstakingly record the data of each kick, Dr Neilson, Professor Jones and Mr Sumpter developed a uniquely patterned football and image capture unit to do the job in seconds and capture 3D ball spin for the very first time.

The player's kick is picked up by QuinSpin's inbuilt microphone which triggers a camera and two flash units to obtain sequential images of the ball in flight. The images are instantly transmitted to a standard laptop where ball speed, elevation and 3D spin measurements are computed. This level of information is only possible due to the special pattern on the football, obtained using a genetic algorithm, and enabling the system to automatically recognise the ball's precise orientation.

QuinSpin's commercial development has been greeted favourably by the coaching community in both the UK and America, with many coaches seeing its potential to assess kicking ability and to develop young player skills.

"The assessment of kicking ability is currently based solely on coach opinion, but with QuinSpin, players or coaches can receive instant feedback on their performance," says Dr Neilson. He continues, "Players could also use QuinSpin to help develop their weaker foot and a further application could be for monitoring rehabilitation after injury."

A Gatsby Innovation Fellowship of £45,000 helped refine the QuinSpin technology and the inventors have now formed a company, Sports Dynamics, to commercially exploit the QuinSpin system. Sports Dynamics is the first Loughborough University venture to receive an investment of £250,000 from Lachesis, the University Challenge Seed Fund that accelerates the most promising research from five of the East Midlands universities. The Lachesis fund is managed by Qvester Capital Management.

QuinSpin will be launched at the world's largest soccer coaches convention in America in January 2005.

Tricia is now urging members of the public to come forward with reports of collisions or sightings of deer on or near to the roads in order to compile an accurate database of the location and prevalence of the deer. Once accurate figures are obtained it is hoped deterrents could be put in place.

Incidents should be reported to www.deercollisions.co.uk, info@deercollisions.co.uk or Deer Collisions Project, PO Box 465, Bury St Edmunds, IP28 6XD.

In recognition of the time Martin spent at Loughborough a prize has been set up in his memory. An award to the value of £75 will be presented each year to the graduating student who has the highest overall mark on the BEng Mechanical Engineering programme.

A wealth of creative talent on display at University degree shows

Students from the University's School of Art and Design (LUSAD) and the Department of Design and Technology put on fantastic displays for the annual degree shows.

The exhibitions, which both took place in June, are the showcase for the striking work the students produce during their final year and are open to members of the public.

The Art and Design degree show featured almost 300 displays of a range of artistic genres, including illustration, painting, sculpture, jewellery, furniture and textiles.

Work on show included illustrations and models for books, packaging and promotional material, mechanical, moving sculptures and 3-dimensional art, and paintings, photographic prints and ceramic tiles.

Speaking about the exhibition Professor Rhodes, director of LUSAD, said: "Once again our students put together an absolutely phenomenal exhibition. The breadth of styles and techniques used was wonderful. Their work showed real creativity and absolute professionalism, which is why they continue to win so many national and international awards, as well as commissions from both companies and private individuals."

The Industrial Design and Technology degree show was opened by one of the UK's most famous inventors, Trevor Baylis, who is best known for his 'Clockwork Radio' invention.



Pictured are just some examples of the amazing work on display at the 2004 degree shows.

On display at the exhibition were hundreds of working prototypes, models and graphics of innovative ideas, many of which were developed in collaboration with companies such as BBC Audiobooks, Boots Healthcare, Bosch Power Tools, Jaguar, Land Rover, Morphy Richards, Motorola and Nokia.

Designs on show included a workstation for children with learning difficulties, a collapsible suitcase and a mechanical washing machine for backpackers.

Paul Wormald, a lecturer in the Department of Design and Technology, said: "This show provided businesses and members of the public with a fascinating insight into designs and designers of the future. The students all worked incredibly hard on their final year projects and some of the prototypes on display were at the cutting edge of design."



imago sponsors innovation awards for talented students

Three talented Design and Technology students have been awarded cash prizes for commercially exciting inventions.

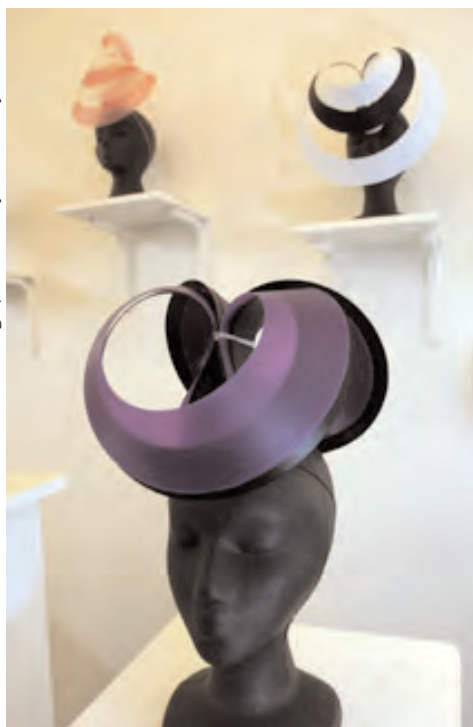
The annual innovation awards, sponsored by Ashfield Healthcare, imago – the University's conference and residential brand, Lloyds TSB, Lloyd Wise and Loughborough University Enterprises Ltd are aimed at encouraging students to commercially exploit their innovative ideas.

Donna Naylor, Commercial Manager of imago and one of the judges for this year's competition, commented: "Seeing as imago strives to build high performance into every aspect of conferencing and events, we were delighted to support such an enterprising initiative. The winning projects were great examples of innovation – with high performance built in!"

Professor Mark Porter, Head of the Department of Design and Technology, added: "This year's student projects were once again outstanding, with many already backed by leading international companies with commercial interests. The 2004 degree show and innovation awards have been a huge success."

Prizes were awarded at the Degree Show by Trevor Baylis.

First prize of £500 went to Claire Ryder for her Children's Liquid Medicine Dispenser, designed in association with Boots Healthcare. Second prize of £300 went to Robert Inett for his Tissue Viability Instrument (TVI), working with Huntleigh Technology Plc. And third prize of £200 went to Richard Johnson for his 'Thaw' car screen defrost system.



Community Warden rewards good neighbours

Loughborough students have been rewarded for being special friends and neighbours in a new prize offered by the University for the first time this year.

The Community Warden's Award Scheme is specifically to acknowledge students living in the community who have demonstrated acts of great friendship or have been good neighbours to the local residents of the town.

Taking first prize was Marc Bull of 31 Station Street for an act of extreme bravery and heroism. Last February a fire started at the property. Having initially got out himself he realised a housemate was still inside. He then re-entered the burning building to arouse and evacuate his close friend. As the fire took hold the pair had to escape the flames from a first-floor window.

The runner-up prize was awarded to Matt Barnes of 16 York Road, who discovered an elderly gentleman rather breathless and a little confused near Sainsbury's supermarket on Ashby Road. He was able



Adrian Bailey (left) and Vice Chancellor Professor Sir David Wallace (right) present Marc Bull with his award.

to help him get back safely to the Abbeyfield old folks home.

Third prize was awarded jointly to the households of 29 Rosebery Street (Simon Burgess, Rebecca Cawtherley, Ben Badcock, Daniel Tjerkstra) and 25 Radmoor Road (Andrew Wiles, Julia Williams, Henry

Llewellyn, Thomas Hughes, Sean Sunderland). In each case the students had been nominated by their next-door neighbours, who are permanent residents.

Adrian Bailey, who is Information and Systems Manager in the University's Department of Human Sciences, was appointed as Community Warden in August 2001 to liaise with the students and residents living in the Storer Road and Burleigh Road areas of Loughborough. Commenting on the awards he said: "I am delighted that we have been able

to introduce this scheme. When students move from campus to live in the community we encourage them to be good neighbours and it has been pleasing to hear of the examples where good friendships have actually developed, not only between students but also between residents and students."

Web pages launched

The University has launched new pages on its website packed full of information for the local community.

The pages aim to provide a range of information, from details of the facilities on campus available for community use to guidance on the University's complaint procedures. The community web pages are divided into four separate sections

- Issues and Developments. This section includes news on subjects such as student numbers and student accommodation.
- Facilities. Provides information and, where appropriate, links to more information on the great many campus facilities open to the local community including the sporting amenities, catering outlets and venues for functions.
- Events. This section is split into a guide to the events and activities open to the public, a comprehensive list of the fixtures of many of the University's sporting teams and other general information about activities on campus which local people may find useful.
- Contacts and Complaints. Here advice is provided on what residents should do to report or make a complaint about incidents of antisocial behaviour by students and who to speak to to address other issues, or concerns or queries.

The pages can be found by logging on to <http://www.lboro.ac.uk/community> or by logging on to <http://www.lboro.ac.uk> and using the 'Community Information' link on the home page.

T S Shipman Prize 2004

Students Mark Harrington and Chris Dias were the winners of the 2004 T S Shipman Prizes.

The prizes are awarded annually to students who are considered to have contributed most to the development of co-operation and aid between the University or Colleges and the local community.

Mark, a final year undergraduate student in the Department of Geography, has been involved in the National Autistic Societies befriending scheme since October 2002, where he has made a huge difference to the lives of two local individuals and their families. Whilst at the University he has found the time to participate in Rag activities and has also been heavily involved in a range of sporting activities across the local community.

Chris has been an extremely valuable asset to Community Action since his arrival at the University. In his first year he was a volunteer for the 'Street Kids' project, where once a week he visited the Keats Estate in Loughborough. Chris's dedication to the project can be seen by the way he broke down barriers with the young people of Keats Estate. Chris also joint-led a student team in organising the majority of Community Action's one-off events.

The University's Deputy Vice Chancellor, Professor Philip Roberts, presented the prizes at a special ceremony held at Loughborough's John Storer House in May. The event was also attended by the then Mayor of Charnwood, Coun Jack Moore, as well as other representatives of the University and Borough.

Aeronautical & Automotive Engineering

Equipment Award

Prof R Thring
£533,338 EMDA

Generic FOAS Nozzle Study

Prof J J McGuirk
£27,900 Quinetiq Ltd

Improved Combustion Modelling Capacity

Prof J J McGuirk, Dr A Spencer, Dr Z Yang
£251,400 Rolls-Royce plc.

Business School

Firm Performance and Executives'

Incentives, Including Bonus Options & Ltips
Prof T W Buck
£169,135 ESRC

Chemical Engineering

*Selectivity Control in Partial Oxidation
Reactions : The Role of Electrochemical
Oxygen*

Dr K Hellgardt and Dr I W Cumming
£209,779 EPSRC

Chemistry

*Advanced in Electrochromic Conducting
Polymers (Overseas Travel Grant)*

Dr R J Mortimer
£6,500 EPSRC

Studentship

Prof P C B Page
£6,000 Avecia

Civil & Building Engineering

*Field Practice for Excreta Disposal in
Emergencies*

Mr P A Harvey
£26,300 Oxfam GB

Optimum2

Dr M Enoch
£80,158 London Borough of Southwark

Electronic & Electrical Engineering

*European Rail Research Network of
Excellence (EUR2EX)*

Prof R M Goodall
£19,187 European Commission

*Remote Monitoring for Renewable Energy
Systems (MORES)*

Dr A D Simmons
£33,394 European Commission

*Comparison and Analysis of Photovoltaic
Modules*

Prof D G Infield
£21,143.69 ICP Solar Technologies UK Ltd

ESRI

Safety Net

Mr P Thomas
£1,287,462 European Commission

*Network of Excellence on Advanced
Passive Safety (APSN)*

Ms R Grant
£39,566 European Commission

Geography

*Relationships between changes in the
coastal environment and cultural strategies
of resource exploitation during the Stone
Age in Denmark*

Dr D Ryves
£38,042.55 The Carlsberg Foundation

Human Sciences

*An investigation of the Sign-Posting Triage
Model for Occupational Health
Management of Musculoskeletal Pain in
the Ambulance Service*

Dr S Hignett and Dr P Griffiths
£50,960 Department of Health

Information Science

*Study to Forecast a Delivery, management
and Access Model for e-Prints and Open
Access Journals withing F&HE*

Mr J F Rowland
£29,963 JISC

IPTME

*Virtual Injection Moulding for Improving
Production Efficiency, Quality and Time-To-
Market Speed (VIM)*

Dr J Clarke
£47,921 European Commission

*Elastomer to elastomer interfacial adhesion
failure and adhesion enhancement.*

Dr A Ansarifar
£8,000 Eastland Compounding and Avon
Vibration Management Systems

Non-Thermal Effects in the Microwave

Prof J Binner
£12,589 INTAS

Filler Evaluation of PBV Compounds

Prof M Gilbert, Dr L Holloway and Dr D Hitt
£20,641 Elchem ASA, Oslo, Norway

Mechanical & Manufacturing Engineering

*3D-Mapping of Macrotermes Michbaelseni
Mounds and Simulation of their
Homeostatic Functions : Lessons for Human
Construction?*

Dr R C Soar, Mr H K Versteeg,
Prof D L Loveday and Dr W Malalaskera
£421,050 EPSRC

*Robus three-dimensional phase unwrapping
software for phase contrast Magnetic
Resonance Imaging*

Prof J M Huntley
£27,342 EPSRC

*Use of Intermittent Pneumatic Compression
in Sport : A Feasibility Study*

Dr M P Caine and Prof D J Williams
£50,000 Huntleigh Healthcare Ltd

*Cost Oriented Approach to Design &
Recovery of Vehicles to meet the
requirements for ELV Directive*

Dr S Rahimifar, Dr T Bhamra,
Dr S T Newman and Dr P G Leaney
£192,906 EPSRC(IMRC)

*Intelligent Manufacture for STEP-NC
Compliant Machining and Inspection*

Dr S T Newman, Dr S Rahimifar,
Dr J Harding and Dr R I M Young
£156,185 EPSRC(IMRC)

High Speed Scanning Laser Vibrometry

Dr S J Rothberg
£7,500 Holset Engineering Co Ltd

Politics, International Relations & European Studies

*Policy Responses Overcoming Facto in the
Intergenerational Transmission of
Inequalities*

Dr J Leaman
£54,602 European Commission

School of Sport & Exercise Sciences

*The Use of Sport and Education for the
Social Inclusion of Asylum Seekers and
Refugees : An Evaluation of Policy and
Practice in the UK*

Prof I P Henry
£36,878 European Commission

Evaluation of PB Challenge Parks

Dr T Kay and Ms T O'Donovan
£40,831 Youth Sports Trust

*Sports Participation by Disabled Young
People in Derbyshire*

Dr T Kay and Ms H F Fitzgerald
£10,969 Derbyshire & Peak Park Sport &
Recreation Forum

Social Sciences

*Adequate Information Management in
Europe (AIM)*

Prof P Golding
£40,316 European Commission

Preparing a New Income Support for Jersey

Ms S Middleton
£40,268 Department for Employment and
Social Security

Water, Engineering and Development Centre (WEDC)

*Phase 1 Rapid Assessment of Drinking
Water Quality Pilot Project*

Mr M D Smith and Mr S E N Godfrey
£71,424 World Health Organisation

*Non-State Provision of Basic Services :
Stage 2 Case Studies*

Mr K Sansom
£34,049 Governance Resource Centre/DFID

*Operational Strategy for Emergency
Response*

Mr P A Harvey
£52,369 UNICEF Uganda

*Accountability Arrangements to Combat
Corruption*

Dr M Sohail
£224,968 DFID

Development of a Water Safety Kit (WSK)

Dr S E N Godfrey and Mr M Smith
£14,970 Wagtech International Ltd



Loughborough International Athletics

Olympic Champion Denise Lewis was the star attraction at the Loughborough International Athletics Match on 6 June.

Crowds gathered to watch the event, and the Loughborough athletes put on an excellent show across the board with the team finishing second overall – only nine points behind the winners of the match, the Great Britain International Select.

A sprints double success (100m in 11.58s, 200m in a personal best 23.66s) by second year student sports scholar Jeanette Kwayke headed a great day for the University women's section.

Other women's successes included a great 1 – 2 in the 800m by European Under 23 800m champion Rebecca Lyne (2mins 5.56s) and the 1500 metres silver medallist Lisa Dobriskey, who followed up a massive 4m 8s personal best six days earlier with another here (2m 3.48s).

Liz Fairs (400m hurdles in 58.27s) and Goldie Sayers (javelin – with Denise Lewis in fourth) dominated their respective events. While Zoe Brown won the pole vault match event (4.05m), although losing on countback to guest competitor Liz Hughes,



Denise Lewis competes in the javelin at the Loughborough International Athletics Match.

Photograph courtesy of the Publicity Office

Natalie Clark produced a great 1.88m personal best to beat the challenge of a very strong high jump field, which included former European Cup gold medallist Susan Jones.

On the men's side there were excellent wins for former World Junior Javelin Champion David Parker (71.64m), from University employee Mike Allen, for college student Nathan Douglas in a strong triple jump competition (16.49m – personal best), and for Chris Thompson (7mins 55.77s) in a 3000m in which 10 of the 17 finishers were past or present Loughborough students.

Much local interest was focussed on Dominic Girdler and Helen Worsley, who placed fifth (14.05s) and fourth (13.58s) in

their respective sprint hurdles races – and on Leicestershire schoolboy Grant Baker who ran an impressive new best of 1min 53.44s to take third in the 800m Invitation 'B' race.

The closest event of the day was appropriately the last one, the men's 4 x 400m relay in which British Olympic team member Jared Deacon (International Select) squeezed home by one hundredth of a second from Loughborough anchorman James Chatt (an earlier 47.19s Invitation Event winner) for a 3mins 8.22s clocking.

Loughborough European Athletics Programme

Loughborough's very own Olympic trials were successfully staged on 17 July with some of GB's top athletes vying for final places on the Athens bound plane.

The sixth annual European Athletics Promotion (LEAP) event became an impromptu late opportunity for athletes who had not made the qualifying standards at the previous week's Olympic trials in Manchester to do so, and gained national and international attention as a result.

The focus of attention was on the 'new' British 400m athlete Malachi Davis, from Sacramento, California, and his attempt to make the GB Team for Athens one week after gaining a British Passport courtesy of his English mother.

Davis finished second in the Loughborough University event, beaten by Welsh athlete Matt Elias, with Jared Deacon third.

Another beneficiary of the LEAP event was former Loughborough Athletics Club



Malachi Davis competing in the 400m at the LEAP event.

Photograph courtesy of Nigel Farrow

achieving the Olympic A standard in the discus with a massive throw of 64.93m.

Udechuku fulfilled his dream of achieving the qualifying mark for Athens with his first ever series of throws all over 60m and by adding almost 3m to his personal best of 62.07m set in 2000. He said: "I felt confident coming into the competition, the conditions were really conducive compared to Manchester. I relaxed after I threw the B standard with a throw of 62.99m, I knew I could throw further. I am delighted to make the Olympics."

Shelley Newman won the women's discus with 60.34m, ahead of Philippa Roles with 59.38m. Shirley Webb had a great series of throws in the women's hammer, with a best of 66.98m, her second furthest ever, and five throws over 65m.

Captain and Sport Scholar Emeka Udechuku, who set alight the event,



Athens Olympics 2004

Loughborough University would like to wish good luck to all of its current and former students who have been selected to compete in the forthcoming Olympic and Paralympic Games in Athens. They are:

Athletics: Steve Backley – Javelin
Nathan Douglas² – Triple Jump
Dan Greaves¹ – Discus (Paralympics)*
Tanni Grey-Thompson – 100m, 200m, 400m and 800m (Paralympics)
Lee McConnell – 400m and 4 x 400m Relay*
Matt O'Dowd – Marathon*
Paula Radcliffe – Marathon / 10,000m*
Chris Rawlinson – 400m Hurdles and 4 x 400m Relay*
Goldie Sayers¹ – Javelin*
Ricky Soos¹ – 800m*
Kemel Thompson – 400m Hurdles (Jamaica)*
Hayley Tullett – 1,500m
Andy Turner² – 110m Hurdles
Emeka Udechuku – Discus*

Badminton: Donna Kellogg – Women's Doubles*
Natalie Munt – Mixed Doubles

Basketball: Clare Strange (Paralympics)*

Cycling: Sara Symington – Road race

Hockey: Jerome Goudie (Travelling reserve)*
Michael Johnson*
Barry Middleton¹

Modern Pentathlon: Georgina Harland*

Swimming: Rosalind Brett – 4 x 100m Freestyle*
James Gibson¹ – 100m Breaststroke*
Karen Lee¹ – 200m Backstroke*
Melanie Marshall² – 100m and 200m Freestyle

Taekwondo: Sarah Bainbridge¹ (Under 67kg category)*

Triathlon: Jodie Swallow*

The University would also like to extend its good luck message to those who train at the high performance centres based on the Loughborough University campus.

Robert Blair (Badminton: Mixed Doubles)
Jon Brown (Athletics: Marathon)
David Carry (Swimming: 4 x 200m Freestyle)
Lisa Chapman (Swimming: 4 x 100m Freestyle)
Ross Davenport (Swimming: 4 x 200m Freestyle)
Helen Karagounis (4 x 400m Relay)
Jayant Mistry (Tennis, Paralympics)
Sarah Price (Swimming: 100m Backstroke)
Emma Robinson (Swimming: 100m Breaststroke – Ireland)
Liz Yelling (Athletics: Marathon)
Jane Stidever (Swimming – Paralympics)

Several coaches and support services staff, who are either based at the University or are former Loughborough students, will also be in Athens with Team GB. They are:

Badminton: Andy Wood
Basketball: Dan McCaffery (Paralympics)
Hockey: Jason Lee
Swimming: Ben Titley and Ian Turner
Triathlon: Graham Maw

Physiotherapists – Mark Buckingham (Athletics), Paula Wild (Athletics), Pat Dunleavy (Swimming) and Linda Daley (Wheelchair tennis)
Team doctor – Nick Pierce
Technical staff – Jodie Cosser (Swimming)

Notes: ¹ Students currently at Loughborough University. ² Current or former students at Loughborough College, which is affiliated to the University-based Loughborough Students' Union. * Denotes Loughborough Sports Scholar

Loughborough graduate takes over as London 2012 Olympic bid chief

Loughborough graduate Lord Sebastian Coe has taken over from Barbara Cassani as chair of London's bid to host the 2012 Olympic Games.

At an announcement made in May Lord Coe – who is a double Olympic 1500m gold medallist and former 800m, 1500m and mile world record holder – paid tribute to Barbara Cassani and said he was honoured by his new role. "As a former athlete and Olympian, the Olympic Games profoundly and

positively influenced my life. I want to give that opportunity to others and leave a legacy for future generations," he commented.

Loughborough's director of sport, Chris Earle, welcomed Lord Coe's appointment. "Loughborough University wholeheartedly supports the London 2012 bid, and we're delighted that the campaign is now being spearheaded by Lord Coe, one of our own former students."

"When Barbara Cassani visited the University earlier this year as part of her campaign to build support for the bid, we stressed that, with our world-class sports facilities, Loughborough would be ideally placed to support a London Games, for pre Games athlete holding camps or to host sporting events in the run-up to the Games. We would be keen to reiterate that message with Lord Coe," said Chris.



Lord Sebastian Coe.

Chance to sample life as a student at Loughborough University

The University has held a series of events aimed at encouraging more young people to consider going on to higher education after leaving school.

The annual Science Summer School, a five-day residential camp targeted at Year 11 students, took place in June. Its main aim is to give young people who have had little or no previous contact with higher education the opportunity to spend a week at the Loughborough campus, to get a taste of the many different aspects of a university environment.

As in previous years, the 2004 Science Summer School was coordinated by the Faculty of Science. Throughout the week the teenagers took part in a variety of academic sessions, visited several local companies and participated in a variety of sporting and social activities. They were accompanied by current Loughborough students throughout the week, who were able to share their own experiences of university life.

Justine Sanders,
Loughborough
University's Widening

Participation Officer, said: "Those who attended the camp would be the first in their family to go to university, and as such are unable to draw upon the experiences of parents or older brothers and sisters. To many teenagers in this situation higher education is something that is unfamiliar and, as a result, is often disregarded as a possible option when considering what to do after leaving school.

"The Science Summer School was a perfect opportunity for these young people to gain first hand knowledge of what university might be like, and the exciting challenges presented by studying science subjects."

The 2004 Science Summer School was attended by 80

teenagers and was funded by the European Social Fund.

A new event aimed at encouraging more girls to study engineering was also held at the University for the first time this summer.

The two-day camp in June was designed to show girls from schools across Leicestershire how engineering is a fun and exciting topic that isn't just aimed at boys.

The initiative, which was coordinated by the Faculty of Engineering, attracted masses of interest and was fully subscribed. During the event the girls, who were all from Year 10, were given the opportunity to learn about the different areas of engineering, as well as a chance to sample

general university life with a stay over in a halls of residence. Current female engineering students at Loughborough were also involved in the event, accompanying the girls on all their activities and answering any questions the girls had about university.

Lesley Davis, who is based within the University's Wolfson School of Mechanical and Manufacturing Engineering and who organised the camp, said: "Engineering still remains a very male-dominated subject at universities across the country.

"At Loughborough we wanted to show girls how interesting and exciting studying engineering can be – and that you don't need to be a boy to do it! When this scheme was first announced I was amazed at the interest, and within days we were fully booked. It certainly looks like this is going to become an annual event."

Due to the popularity of the engineering camp the University also ran a one-day event, which was funded by the University's Widening Participation budget. The two-day camp was funded by the Economic Social Fund.



Photograph courtesy of the Publicity Office

Girls on the Engineering Summer School had great fun making and racing solar powered vehicles.

Students win NASA-sponsored competition

A team of students from Loughborough University and Virginia Tech in the USA has won a prestigious aircraft design competition.

The annual National Aeronautics and Space Administration (NASA) Langley Research Centre competition seeks to foster student interest in revolutionising general aviation. The contest is jointly sponsored by NASA and America's Federal Aviation Administration (FAA).

A group of 11 Masters students from Loughborough University's Department of Aeronautical and Automotive Engineering joined forces with students in the USA to enter the challenge. This was the seventh time Loughborough had worked with the Virginia

Polytechnic Institute and State University (Virginia Tech) in the contest. This year the team had to design a four-seater jet powered aircraft suitable for the general aviation market.

The aircraft had to be capable of matching or bettering the performance of existing aircraft, but with a turbofan instead of a propeller. Using Internet and video conferencing, plus two face-to-face meetings, the team perfected their design over a six-month period. Their Centuria aircraft has been awarded first place in the university division of the competition.

Loughborough team member Phill Barton said: "The whole team is delighted – the project was certainly hard work but it was worth all the effort."

‘Optical fingerprinting’ makes extra virgin olive oil shine out from the fakes

A University researcher has teamed up with scientists from Italy to develop a unique optical fingerprinting system to detect extra virgin oil from the fakes.

The increasing popularity of the Mediterranean diet means that the production of high quality extra-virgin olive oil is a booming business. The oil produced in Italy is renowned worldwide for its distinctive taste and nutritional benefits, being low fat and rich in anti-oxidants. But cheaper, low-grade oils, misleadingly packaged as expensive products made in Tuscany, are flooding the market which both threatens the livelihood of genuine producers and dupes the consumers.

The unique optical fingerprinting system was developed in Loughborough’s Department of Electronic and Electrical Engineering, using spectroscopy, a technique with widespread sophisticated

medical applications, such as studying the concentration of oxygen in blood. Peter Smith, Professor of Photonics Engineering, explains: “It’s very difficult to spot significant differences between different types of oils just by looking, but this new light scattering and absorption technique provides a very sensitive indicator.

“Having illuminated the sample with white light, we can see how much light of each colour shines through the sample and how much is scattered. By carefully studying how the absorbed and scattered spectra become brighter or darker at each wavelength, we can determine the oil’s grade (virgin or extra-virgin) and its origin. “We have been able to produce for the very

first time a distinctive ‘optical fingerprint’ that tells us exactly where the olive oil is from and the process by which it has been made. Plotting these fingerprints on a 3D map reveals distinctive clusters according to oil type. This allows for reliable, low-cost analysis that can easily distinguish the frauds from the genuine extra-virgin articles. The technology can be used to test the authenticity of other high value food and drink products, such as wine and beer.”

The research was carried out in partnership with Italy’s CNR Institute for Applied Physics in Florence, and the CNR Trees and Timber Institute in Sesto Fiorentino, as part of a European project called OPTIMO.

International Drama at Loughborough

The University’s English and Drama Department has recently held its first of three annual symposia, as part of Professor Alison Oddey’s initiative ‘Different Directions’.

This year’s symposium, ‘Scenography and Performance’, was developed from research started within the department in 2000. Keynote speakers at the symposium included Professor Lesley Ferris of Ohio University, with delegates from Canada, Israel, the Philippines, USA, Germany, Switzerland, Belgium and Norway.

It lasted three days, with a rigorous schedule of speakers and digital presentations of performance work and experiments in virtual theatre. Artists present at the symposium included Naomi Frederick, who plays Isabella in the Royal National Theatre collaboration with Theatre de Complicite of Shakespeare’s ‘Measure for Measure’, and the executive producer of IOU Theatre Company, visual artists for sculpture and installation Heather Ackroyd.

The work of the first symposia has been accepted for publication as a book on Scenography and Performance, further endorsing the work of Professor Oddey and her colleague Dr Christine White.



Professor Alison Oddey, Chair of Contemporary Performance, introduces Professor Lesley Ferris for the first of the Different Directions Symposia held at Loughborough University in July.

Professor completes tour of Far East

Professor Max Hall of the Economics Department has just returned from a tour of the Far East.

The first week of his tour involved working as a research fellow at the Hong Kong Institute of Monetary Research. This marked the start of a research project looking into banking efficiency in Hong Kong, which involves researchers from both Loughborough and Nottingham University.

From Hong Kong, Professor Hall travelled onto Japan where, for the next four weeks, he was engaged in research into ‘Recent Banking Sector Reforms in Japan’. This research project, which is funded by the British Academy and the Japan Society for the Promotion of Science, involved Professor Hall interviewing all the governmental agencies responsible for banking regulation and supervision in Japan and a number of interested academics. He also gave presentations at Kobe University and the Tokyo office of the Japan Securities Research Institute.

Breakthrough enables vehicle occupancy monitoring to ease jams

Infrared cameras that automatically count people in cars could soon be a feature on the UK's motorways, making it easier to enforce priority lanes for car sharing to ease congestion and cut journey times.

The unique patented technology to detect human faces in moving cars without distracting drivers was developed by Laser Optical Engineering (LOE), a spin out company from Loughborough University. Together with commercial, research and civic partners, it has developed a prototype camera system with Department for Transport and Engineering and Physical Sciences Research Council funds.

The need for such a system arose following the launch in 1998 by Leeds City Council of Britain's first priority lane for car sharing. Whilst fines deter lone drivers from using the special lane on the busy A647, the scheme is costly, with the Council paying the police to enforce it.

"We needed to use infra-red to detect faces yet the heat resistant coatings on car windows simply absorb the infra-red wavelengths," explains Dr John Tyrer, Director of LOE. "Only a highly sophisticated, and vastly expensive, infra-red camera could overcome this challenge.

"Our important breakthrough came when we found a tiny gap in the infra-red spectrum in which light is absorbed by human skin of any colour but reflected by hair, clothing and upholstery. This means that dummies, large objects and dogs – anything in a fast moving

car that could be detected in error by a conventional camera – are easily rejected."

Whilst the infrared camera works well in bright sunlight, dull days and nighttime pose a challenge. However combining the optical technology with a bespoke image recognition system means that human faces are still distinguishable.

Dr Tyrer added: "We developed a unique mathematical formula for instant image recognition to enable an automatic and accurate count of faces in a moving car for the very first time. We can even apply a size filter to the camera to make sure a hand held up where a passenger's face should be is not counted."

The prototype for the high occupancy vehicle monitoring system (HOVMON) has been successfully tested on the A647 in Leeds. Its commercial prospects look promising, with high occupancy vehicle (HOV) lanes in operation throughout America currently relying on police enforcement. The novel technology could also be used at border crossings, or to monitor cars going in and out of high security areas and shopping centre car parks.

The project partners are Golden River Traffic, Leeds City Council, Photonics Consultancy and the University of Sussex.

Water, Engineering and Development Centre hosts two prestigious visits

Loughborough's Water, Engineering and Development Centre (WEDC) has recently hosted two prestigious visits to the University.

In June a team of Pakistani Government representatives visited the Centre to discuss the provision of water and sanitation services in their country.

Seven delegates from the North West Frontier Province Rural Water Supply and Sanitation Project (RWSSP) spent a week in the UK, in a bid to find out how such services are currently provided in Britain and the roles and responsibilities of local Government in this area.

The team was welcomed to the campus with a special reception attended by the University's Vice Chancellor, Professor Sir David Wallace, the Head of the Department of Civil and Building Engineering, Professor Tony Thorpe and Ian Smout, the Director of WEDC.

Ian Smout said: "WEDC was delighted to be able to host such a prestigious visit for the Pakistani Government. The visit was mutually beneficial and very enjoyable."

During their stay at Loughborough the team also visited the Department for International Development (DFID) in London, local

authority councils (including Leicester City Council, Leicestershire County Council and Charnwood Borough Council) and Severn Trent Water to look at water and sanitation practices. The delegates were also interested in election practices in the UK and visited one of the centres where votes were being counted in Leicester.

In July representatives from the Uganda Management Institute (UMI) visited WEDC.

The UMI is a postgraduate institute that has been at the forefront in developing skills and management training for Uganda's public sector since 1969. The Institute is hoping to be chartered as a university later this year and two of its senior members of staff were keen to come to Loughborough to learn about university operating systems and procedures.

Julius Muloni and Sylvester Kugonza were able to meet the Vice Chancellor and other senior Loughborough University staff. Speaking about the visit Julius Muloni said: "We have found this visit incredibly useful. Everyone we have met at Loughborough has been very helpful, providing us with information which will be incredibly useful once we become a university."

Bob Reed, a senior programme manager with WEDC added: "We were very pleased to be able to help our Uganda colleagues and wish them every success in transforming UMI into a university."

International Student Advisor

A new International Student Advisor has recently joined the University team.

Louise Waldron, who is based in the English Language Study Unit (ELSU), has been employed to support Loughborough's international students, helping them with immigration enquiries, looking after their pastoral needs and acting as a signposting service for other support services.

She is also involved in the running of the ELSU pre-session courses and works with the International Office to plan and run international student induction and orientation courses. Staff wishing to meet with Louise to discuss any problems or queries they may have regarding international students are asked to contact her via email at L.M.Waldron@lboro.ac.uk, or by phoning 01509 222764. Alternatively staff are invited to visit her office at the James France Building, room D3.

Louise also produces regular newsletters throughout the year, which are circulated to all international students. Anyone wishing to submit articles for the newsletters is asked to contact Louise direct.

Mental Health Advisor on hand to support students

Mental health problems can affect people of all ages and backgrounds and it is vital that people experiencing such difficulties have somewhere to go for support and advice.

At Loughborough University there is a Mental Health Support Advisor on-hand to assist students with mental health difficulties in dealing with the specific problems encountered while studying at higher education level.

Dan Doran, who is based in the Herbert Manzoni building, took over as the University's Mental Health Support Advisor last year. He said: "One in four people consult their GP about a mental health difficulty every year, which highlights just how many people are affected by mental health problems.

"Sadly there is a stigma attached to mental illness which stops a lot of people asking for help until the problem is very serious. It is my job to try and ensure Loughborough's

students get the help they need as soon as possible, and to do this I would like to publicise my post to staff throughout the campus.

"If anyone has any concerns about a student, or they would simply like further information about mental health support services at the campus then please do not hesitate to get in touch. It is important that students with mental health problems realise that they are not alone and that the University provides both practical and therapeutic support."

Dan can be contacted by email at d.p.doran@lboro.ac.uk, or by calling 01509 228338. Alternatively to make an appointment to meet Dan contact Diane Holmes by calling 01509 222770.

University Open Day

A student recruitment open day is taking place on 28 September from 10am – 4pm.

The event is an opportunity for prospective students, their parents and teachers to have a look around the University, its academic and leisure facilities and obtain information on all study options. Displays, demonstrations and talks will be taking place across the campus.

For further information call 01509 223522 or visit: <http://www.lboro.ac.uk/prospectus/ug/opendays/>

Race for Life 2004

For the second year running Loughborough University hosted the area's Race for Life in June.



Ladies from Professional Development, the Maths Learning Support Centre and LTSN Engineering who took part in Race for Life 2004.

Race for Life began in 1994 to raise money for Cancer Research UK and ten years on it has grown to become the country's biggest fundraising event.

There were an incredible 3,000 women that took part in the Loughborough race on 27 June, including several University teams.

A group of 21 ladies from Professional Development, the Maths Learning Support Centre, LTSN Engineering and a few friends and relatives entered the event. Called 'Power Divas', the team raised the fantastic sum of £1,377. A group of 18 staff from Media Services also took part in the race – raising just under £800.

The University would like to congratulate everyone who entered Race for Life 2004 and who helped raise much needed funds for a very worthwhile cause.



The Media Services team.

imago at Loughborough

imago at Loughborough launched at Easter to an audience that included both internal and external customers.

Academic clients based at the University and commercial customers returning to Loughborough for their Easter events were able to see evidence of the new brand via their delegate materials and information.

"We've had some great feedback from customers," said Donna Naylor, imago's Commercial Marketing Manager. "They like the idea of one point of contact with imago, so if they now decide to come back to hold a day event at Holywell or a corporate

business training day at Burleigh Court, they will be dealing with the same sales team who successfully managed their event at Loughborough campus this Easter."

imago at Loughborough offers an extensive array of meeting space, accommodation and catering to support a wide range of events irrespective of numbers or complexity. Renowned for premier sporting facilities, world-class athletes and pioneering engineering achievements, imago at Loughborough offers the perfect backdrop for any event.

For further information call 0845 0 364624, or visit: www.welcometoimago.com

Course in counselling and understanding bereavement and loss

The local branch of Cruse Bereavement Care, a national charity set up to help anyone who has suffered the pain of bereavement, is looking for new volunteers.

Charnwood and North West Leicestershire Cruse has recently opened a new office in Coalville and needs new members to keep up with a growing demand for its services.

The charity is offering people the chance to take part in a course in counselling and understanding bereavement and loss. It is for anyone who would like to understand more about bereavement and loss for personal or professional reasons, as well as those who would like to work as volunteers for Cruse.

A variety of teaching and learning styles are used, with a good mix of large and small group work, with opportunities to practice the skills learnt. The course leader is an experienced teacher and Cruse counsellor.

Those wishing to become volunteers for Cruse must complete the course successfully and pass a selection process.

The course will be held on Tuesdays, from 7pm to 9.15pm for 23 weeks, starting on 14 September 2004. Course fees are £75 with concessions available.

For an application form or more information about Cruse and the training it offers contact the branch helpline by calling 01509 881237.

Careers Fair

More than 40 graduate recruiters and placement year employers will be on campus for a special engineering, finance and IT careers fair.

The event is taking place on 18 October from 11am until 4pm in the Edward Herbert building. For further information call 01509 222052 or visit: <http://www.careers.lboro.ac.uk>

Centre for Research in Social Policy 21 Birthday Conference

To celebrate 21 years of social policy research the University's Centre for Research in Social Policy (CRSP) is holding a one-day conference on 17 September.

The conference, entitled 'Shaping Social Policy: What role for research?' is being held to bring together colleagues in the research and academic community, as well as those involved in social policy making.

Events will include a number of presentations from invited keynote speakers and panel discussions organised around the following four themes:

- Poverty and Social Exclusion
- Welfare and Life Transitions
- Comparative Welfare
- Towards Social Inclusion

Confirmed keynote speakers include The Rt Hon Dawn Primarolo MP, Paymaster General; Professor Ruth Lister, Loughborough University; and Sue Duncan, Government Chief Social Researcher.

For further details and to download a registration form please visit the CRSP website at <http://www.crsp.ac.uk/>

PD Launch!



Look out for the Professional Development* guide due for distribution September 2004 which will contain information about their extended services and improved training programme.

* incorporating all or part of the sections formerly known as Learning & Teaching Development, Quality Enhancement, and Staff Development

Roll of honour

Len Almond receives prestigious award

Len Almond, Director of the British Heart Foundation National Centre for Physical Activity and Health, has been presented with the Ling Award by the Physical Education Association of the United Kingdom (PEA UK).

The award is given in recognition of outstanding contribution to physical education and was presented to Len at a special ceremony on 19 June at Aston Villa Football Club.

IPTME research assistant wins prize

Paul Vickers, based in the University's Institute of Polymer Technology and Materials Engineering (IPTME), was awarded a prize for best paper at the annual Materials Research Conference.

The research assistant was also awarded an Engineering and Physical Sciences Research Council prize for best presentation at the event.

Loughborough academics give lectures at major conference

Three University staff from the School of Sport and Exercise Sciences were the only sport scientists from the UK invited to give lectures at the 'International Conference on Sports Injury'.

The event was organised by the Football Association and Royal College of Surgeons and took place on 3 and 4 July. At the conference Professor Ron Maughan discussed the issue of contamination of

sports supplements in relation to the needs of footballers, Dr Susan Shirreffs explained the importance of individualising hydration strategies and Professor Mike Gleeson described how exercise affects the immune system and outlined strategies to limit infection risk.

More than 200 people attended the conference and the delegates included many team doctors and physiotherapists with professional football clubs, including Manchester United, Tottenham Hotspur and Glasgow Rangers.

Spry Memorial lecture

Graham Murdock, a Reader in the Sociology of Culture in the Social Sciences Department, has been invited to give the prestigious Spry Memorial Lecture.

The lecture is Canada's premiere public lecture on broadcasting and is named after Graham Spry, who led the campaign for public broadcasting in the country.

In addition to presenting his address, entitled 'Building the Digital Commons: Public Broadcasting in the Age of Networks' in Vancouver and Montreal in November, Mr Murdock will give seminars on contemporary developments in communication at a number of other leading Canadian universities.

Emeritus Professor completes 90 education missions

James Hough, Emeritus Professor of the Economics of Education, has completed 90 external education missions and contracts, mainly relating to the development of education systems in developing countries.

Professor Hough, an economist with a specialised interest in the economics of education, has worked in more than 50 different countries and has undertaken missions on behalf of international bodies such as The World Bank, Asian Development Bank, European Commission, and UNESCO, as well as for the British, Danish, Swedish, and Dutch governments.

Professor Hough recently visited a very deprived school in southern Egypt. The school lacked basic facilities such as adequate classrooms, furniture, textbooks and other materials, and the educational problems for girls were significantly worse than those for boys.

The school was recently awarded a cash grant under the European Commission Education Aid Programme and Professor Hough was asked to monitor expenditure and use of funds under this programme.

Article on MS named winning paper by leading journal

An article written by Mark Hepworth, based in the Department of Information Science, has been selected as the winning paper for 2003 by the 'Aslib Proceedings: new information' journal.

The article, which was co written by the department's Janet Harrison, was entitled 'A discussion of the information needs of people with multiple sclerosis (MS) and the implications for information provision based on a national UK survey of people with MS'.

The award is based on the number of people who read the electronic version of the journal and the views of the editorial staff.

Dear Editor . . .

May I take this opportunity to say thank you to all of my friends and colleagues on campus who have supported me over the last 30 years. And to all those who contributed to my retirement presents, a special thanks.

During my time here I have sought support from all sorts of people on campus to help me raise money for 'The Red Nose Appeal' when I had my head shaved, and the 'Children in Need Appeal' when I organised the Paper Plane Challenge for University personnel and local schools, together with the 'Hour in the Stocks' a couple of years ago, and on each occasion I was well supported.

I will miss the camaraderie of my day to day contacts in the University, but this will be restored to some degree in October when I am to join the Security Staff on the gate for a few hours a week.

Thank you, once again, for everything – keep caring for each other.

Kindest regards

Alfred Mosley
(Aeronautical and Automotive Engineering Department)

University honours distinguished figures

Honorary degrees were conferred upon nine distinguished people at Loughborough University's summer graduation ceremonies, in recognition of the outstanding contributions they have made to industry, academia, business, sport, the arts and society.

Ernest O Maxwell

Former President of the Alumni Association, former lay member of Council and Diplomat of (former) Loughborough College. Honorary Doctor of the University (Hon DUni) For contributions to the Alumni Association and the governance of the University



Sir Michael Latham

Chairman of CITB-ConstructionSkills Honorary Doctor of Technology (Hon DTech) For outstanding contribution to the competitiveness of the construction industry in the UK and internationally



Heather Crate

Founder and fundraiser for the 'Steps' charity Honorary Doctor of the University (Hon DUni) For commitment and dedication to children with cerebral palsy and their families



Dr John Dixon

Vice President of Discovery at AstraZeneca Honorary Doctor of Science (Hon DSc) For outstanding contribution to the advancement of medical science, and to the economy of Charnwood



Professor Harry Thomason

Recently retired Pro Vice Chancellor for External Relations and former Senior Pro Vice Chancellor Honorary Doctor of Science (Hon DSc) For outstanding service and contribution to the University, including the development of links with industry



John Atkinson

Former British Gymnastics Performance Director Honorary Doctor of Technology (Hon DTech) For services to British Sport and Loughborough University

Professor Alexei Abrikosov

Leverhulme Visiting Professor in the Department of Physics and joint



recipient of the 2003 Nobel Prize in Physics Honorary Doctor of Science (Hon DSc) For pioneering contributions to the theory of superconductors and superfluids

Derek Mapp

Chairman of the East Midlands Development Agency (emda) and Visiting Professor in the Business School Honorary Doctor of Technology (Hon DTech) For leadership in business and commitment to the East Midlands



At the summer ceremonies four members of the University were also awarded the Loughborough University Medal – a special award created to mark outstanding service. The recipients were: Trevor Downham from the Wolfson School of Mechanical and Manufacturing Engineering, Dr Les Mustoe from the Department of Mathematical Sciences, David Bunker from the School of Sport and Exercise Sciences and Jen Wenham of the Careers Service.