



McLeod Institute of Simulation Science Report 2005

MISS De Montfort

School of Engineering & Technology

Faculty of Computing Sciences and Engineering

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School of Engineering & Technology

Head of School: Professor Marwan Al-Akaidi

The School of Engineering & Technology forms part of the Faculty of Computing Sciences & Engineering at DMU. The School is large and diverse and is hence able to offer a broad and flexible range of courses at both undergraduate and postgraduate level. Many of the School's academic staff are engaged in high class, leading edge research and industrial collaboration and consultancy. The School has very strong links with industry and, indeed, many of our courses have been developed in consultation with such internationally-known organisations as the BBC, Rolls-Royce and BAE Systems.

The School is located in the superbly equipped Queens Building and boasts some of the best and most modern facilities to be found in any UK university. There is a strong emphasis on the teaching of technological fundamentals, computer-based design and the application of information technology in engineering and media-related studies.



Research Centres and Groups

Research within the School of Engineering & Technology is broad ranging and highly successful at an international level.

The School holds a significant proportion of all research funding in the University. The basic themes are micro/electronics, imaging technologies, communications, software, mechatronics, mechanical engineering and manufacture.

Divisions

School of Engineering & Technology

--- Engineering and Design

--- Technology



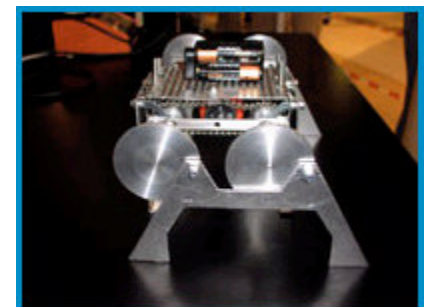
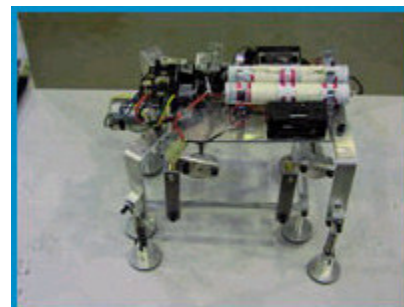
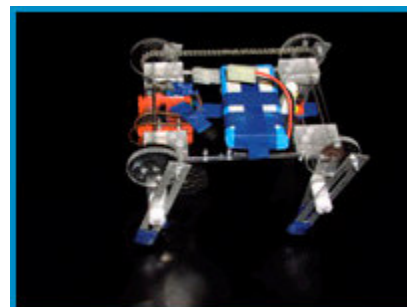
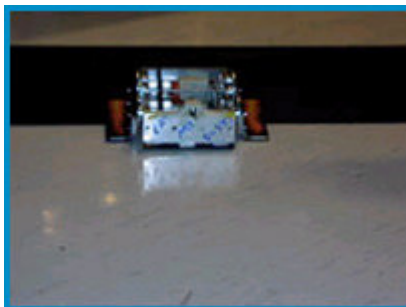
Research Centres

- *Mechatronics Research Centre*
- **Centre for Manufacturing:**
 - *Lean Engineering Group*
 - *Rapid Prototyping Research Group*

Research Groups

- *3D and Biomedical Engineering Research Group*
- *Applied Electro Magnetics Group*
- *Wireless & Multimedia Communications & Signal Processing Group*
- *Combustion and CFD Research Group*
- *Electronic Controls and Drives Research Group*
- *Modern Optics Research Group*
 - *Water Software Systems*

Research Groups



Undergraduate:

- HC/Foundation Degree/BSc(Hons) Applied Technology - Under Development
- BSc(Hons) Audio & Recording Technology
- BSc(Hons) Broadcast Technology
- BSc(Hons) CSE Joint Degrees
- BSc(Hons) Design & Technology
- BEng(Hons) Electronic Engineering
- BSc(Hons) Engineering
- BSc(Hons) Lean Engineering part-time
- BEng(Hons) Mechanical Engineering
- BSc(Hons) Media Production
- BSc(Hons) Media Technology
- BSc(Hons) Mobile Computer Systems - Under Development
- BSc(Hons) Multimedia Computing
- BSc(Hons) Music, Technology & Innovation
- BSc(Hons) Radio Production - Starting 2005
- BSc(Hons) Video and Animation Production- Under Development

Postgraduate:

- MSc Digital Signal and Image Processing
- MSc Digital Television and Video Technology
- MSc Mechatronics
- MSc Multimedia Communications Engineering
- MSc Rapid Product Development

Additional Engineering & Technology Courses:

- University Certificate in Continuing Professional Development: Forensic Road Collision Investigation



Popular courses include undergraduate degrees in Engineering (Mechanical & Electronic), Design and Technology, Broadcast Technology (in partnership with the BBC), Media Technology, and Music, Technology & Innovation. Masters degree courses include Mechatronics, Rapid Product Development, Digital Signal and Image Processing and in Climate Change and Sustainable Development. All of our courses are highly vocational (many can be taken in 'sandwich mode' - with a year spent in industry) and the job prospects for our graduates are excellent; many of the skills developed are highly valued in management, financial and other careers as well as technical ones.