

EPSRC



John Wand
Head of Materials
and
Nanotechnology



The Engineering and Physical Sciences Research Council

- We are the main UK government agency for funding research and training in engineering and the physical sciences
- We invest around £650 million a year so the UK will be prepared for the next generation of technological change.



The Research Councils

Department of Innovation, Universities and Skills

Research Councils UK

STFC

Science & Technology
Facilities Council

ESRC

MRC

EPSRC

NERC

BBSRC

AHRC

Council Chairman: John Armitt

Chief Executive: David Delpy



EPSRC Strategic Objectives

1. Supporting world-class research in the engineering and physical sciences, addressing the challenges facing the UK economy and society.
2. Developing talented scientists and engineers.
3. Supporting the knowledge economy.
4. Public engagement with research.
5. Effective and efficient operations.



EPSRC: 08/09 to 10/11

Pulling through
ICT to have
transformational
impact on business

Digital
Economy

Energy

Addressing the key
UK energy &
climate challenges

Providing
Leadership,
GC's, Focus.

*Towards
Next
Generation
Health
Care*

NanoScience through
Engineering to application
Essential Platform for the
Knowledge Economy
and much of the
Rest of Science


*Towards
Better
Exploitation*

Actively fostering
partnerships across
acad/industry

Securing the Future

Maximise pull through of
engineering and physical
sciences for better health

ENERGY: CSR07 PROPOSALS

Basic research  Applied research

Long term-2020-2050 focus

Grow work on:

- demand and consumption
- security of supply
- other energy vectors
- Transport

Sustain work on power generation

Additional funding

- Specialised PhDs e.g.EngD
- UKERC
- fusion (JET, ITER, MAST)
- fission, materials
- more strategic partnerships

Energy Technologies Institute

Public-private partnership

Funding from EPSRC (60%) and TSB (40%)

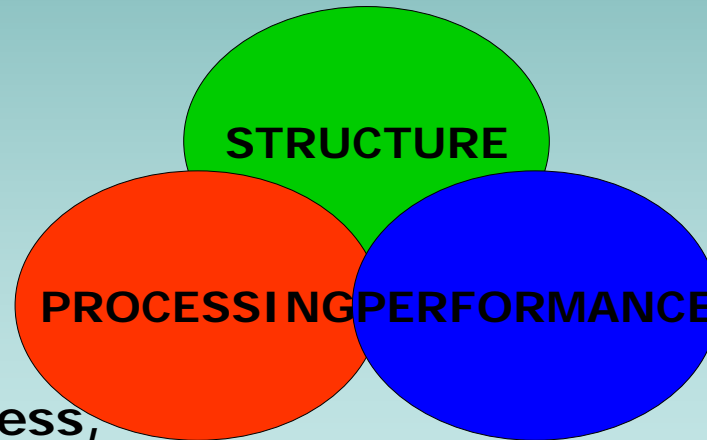
New Environmental Transformation Fund
demonstration/deployment



EPSRC MATERIALS PROGRAMME

KEY FEATURES OF MATERIALS RESEARCH AND TRAINING

Mathematics, Chemistry & Physics



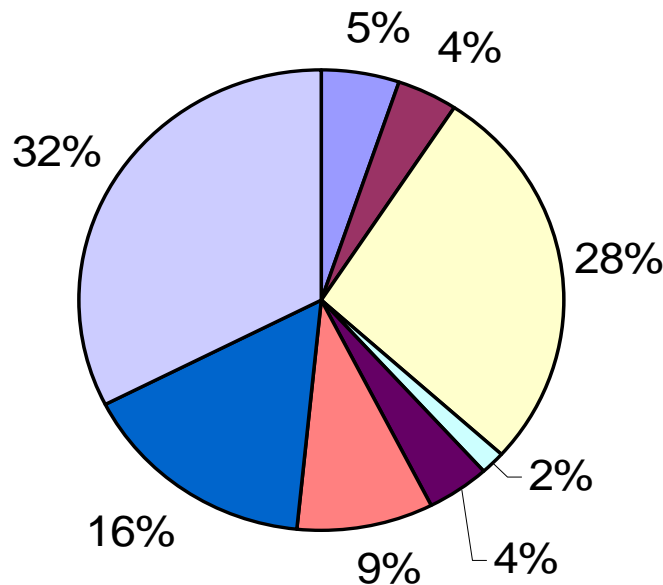
Chemical, Process,
Manufacturing Engineering
& IT

Mechanical, Civil
Aeronautical, Electrical
Eng. & IT

Materials Programme Funding for Energy, by value

Overall (02/03 - 06/07)

- Energy Conservation (Building Materials etc)
- Energy Efficiency
- Energy Storage
- Energy Transmission
- Power Generation - Fossil
- Power Generation - General
- Power Generation - nuclear
- Power Generation -



£11M total value