

Research Report ideas

Aircraft jet engine efficiency
Alternatively powered vehicles
Artificial intelligence and neural networks
Autofocus systems in cameras
Automatic flight control or fly-by-wire
Barcoding
Cellular phones
Chaos, entropy and the arrow of time
Chaos, entropy and the weather
Combined heat and power
Compact discs
Computer networks
Digital electronics and the electrocardiograph monitor
Digital photo printing
Digital quartz watches
Does Maxwell's Demon have a future?
Dog identification
Earth's thermodynamics
Electronic systems in the retail industry
Electronic weather recording
Energy considerations in a hurricane
Energy movement in the atmosphere
Entropy and chemical reactions
Entropy changes during a rocket launch
Fax
Feedback and control in motor engines
Fibre optics in communication
Fusion power and the JET project
Gas turbines/steam turbines
Global Positioning System (GPS)
Global warming
Guitar electronics
Hawking radiation and entropy
Heat pumps
Human and robot arms
Human fitness monitoring
Is absolute zero possible?
Is time really irreversible?
Life cycle of stars
Liquid crystals
Logic and air traffic control
Methods of traffic control
Modems
Modern control technology in farm machinery
Noise recording in analogue recording
Power from waste
Robotics

Satellite communications
Speech synthesis and recognition
Techniques of data transfer
Telephones and systems
The CT scanner
The evolution of stars
The heat death of the Universe
The origin of the Universe
The physics of black holes
The quest for maximum efficiency
The Sun, the largest fusion reactor in the solar system – but for how long?
The world as a heat engine
Thermodynamics and the energy crisis
Time travel – possible or impossible?
Videophones – where are they?
Virtual reality
Weather and chaos
What decides the surface temperature of planets?
Wind-chill factor