## Technology Keywords

Electronics, Microelectronics  Electronics, Microelectronics  2 Automation, Robotics Control Systems  3 Bigital Systems, Digital Representation  3 Electronic circuits, components and equipment  Electronic engineering  3 Semiconductory materials/devices  3 Magnetic and superconductory materials/devices  3 Microengineering,  Micromachining  3 Nanotechnologies related to electronics & microelectronics  3 Optical Networks and Systems  Peripherals Technologies (Mass Data Storage, Displays)  Printed circuits and integrated circuits  3 Cuantum Informatics  Semiconductors  Samart cards and access systems  Environmental and Biometrics Sensors, Actuators  Micro and Nanotechnology related to Electronics and Microelectronics  3 Deprinting  Electronic engineering  3 Electronic engineering  3 Electronic engineering  3 Semiconductors  Nanotechnologies related to electronics & microelectronics  3 Anotechnologies related to electronics & microelectronics	English	Level
Automation, Robotics Control Systems Digital Systems, Digital Representation Electronic circuits, components and equipment Electronic circuits, components and equipment Electronic engineering Embedded Systems and Real Time Systems High Frequency Technology, Microwaves Magnetic and superconductory materials/devices Micromachining Nanotechnologies related to electronics & microelectronics Optical Networks and Systems Peripherals Technologies (Mass Data Storage, Displays) Printed circuits and integrated circuits Semiconductors Smart cards and access systems Environmental and Biometrics Sensors, Actuators Micro and Nanotechnology related to Electronics and Microelectronics Diprinting Electronic engineering Might requency Technology, Microwaves Magnetic and superconductory materials/devices Magnetic and superconductory materials/devices Micro and Nanotechnology related to Electronics and Microelectronics Diprinting Environmental and Biometrics Sensors, Actuators Micro and Nanotechnology related to Electronics and Microelectronics Diprinting Environmental and Biometrics Sensors, Actuators Magnetic and superconductory materials/devices Magnetic and superconductory materials/devices Diprinting Environmental and Systems Diprinting Environmental Systems Diprinting Environmenta	ELECTRONICS, IT AND TELECOMMS	1
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Magnetic and superconductory materials/devices       3         Microengineering,       3         Micromachining       3         Nanotechnologies related to electronics & microelectronics       3         Optical Networks and Systems       3         Peripherals Technologies (Mass Data Storage, Displays)       3         Printed circuits and integrated circuits       3         Quantum Informatics       3         Semiconductors       3         Smart cards and access systems       3         Environmental and Biometrics Sensors, Actuators       3         Micro and Nanotechnology related to Electronics and Microelectronics       3         3D printing       3         Electronic engineering       3         Embedded Systems and Real Time Systems       3         High Frequency Technology, Microwaves       3         Magnetic and superconductory materials/devices       3         Nanotechnologies related to electronics & microelectronics       3         Optical Networks and Systems       3         Peripherals Technologies (Mass Data Storage, Displays)       3         Peripherals Technologies (Mass Data Storage, Displays)       3         Printed circuits and integrated circuits       3         Quantum Informatics       3 </td <td></td> <td>3</td>		3
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Advanced Systems Architecture  Archivistics/Documentation/Technical Documentation  Artificial Intelligence (AI)  Computer Games  Computer Hardware  3  Computer Software  3  Computer Technology/Graphics, Meta Computing  Data Processing / Data Interchange, Middleware  3  3  3  3  3  3  3  3  3  3  3  3  3	Information Processing & Systems, Workflow	2
Artificial Intelligence (AI)  Computer Games  Computer Hardware  3  Computer Software  3  Computer Technology/Graphics, Meta Computing  Data Processing / Data Interchange, Middleware  3  3  3  3  3  3  3  3  3  3  3  3  3		3
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Computer Games3Computer Hardware3Computer Software3Computer Technology/Graphics, Meta Computing3Data Processing / Data Interchange, Middleware3	Artificial Intelligence (AI)	3
Computer Hardware3Computer Software3Computer Technology/Graphics, Meta Computing3Data Processing / Data Interchange, Middleware3		3
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Computer Technology/Graphics, Meta Computing 3  Data Processing / Data Interchange, Middleware 3	·	3
Data Processing / Data Interchange, Middleware 3		3
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	Data Protection, Storage, Cryptography, Security	3

Databases, Database Management, Data Mining	3
Electronic Commerce, Electronic Payment & Signature	3
Imaging, Image Processing, Pattern Recognition	3
Information Technology/Informatics	3
Internet Technologies/Communication (Wireless, Bluetooth)	3
Knowledge Management, Process Management	3
Simulation	3
Speech Processing/Technology	3
User Interfaces, Usability	3
Electronic Signature	3
Building Automation Software	3
Remote Control	3
Smart Appliances	3
Environmental and Biometrics Sensors, Actuators	3
Cloud Technologies	3
•	3
Internet of Things	
IT and Telematics Applications	2
Applications for Health	3
Applications for Tourism	3
Applications for Transport and Logistics	3
ASP Application Service Providing	3
e-Government	3
Environment Management Systems	3
GIS Geographical Information Systems	3
ERP - Electronic Resources Planning	3
CRM - Customer relationship Management	3
Quality Management System	3
Maintenance Management System	3
Operation Planning and Scheduler System	3
Didactic System	3
Serious Games	3
ICM – Internet Content Management	3
Analysis Risk Management	3
Work Hygiene and Safety Management	3
Multimedia	2
Cultural Heritage	3
E-Learning	3
E-Publishing, Digital Content	3
Human Language Technologies	3
Information Filtering, Semantics, Statistics	3
Visualisation, Virtual Reality	3
Telecommunications, Networking	2
Audiovisual Equipment and Communication	3
Broadband Technologies	3
Mobile Communications	3
Narrow Band Technologies	3
Network Technology, Network Security	3

Radar	3
Research Networking, GRID	3
SatelliteTechnology/Positioning/Communication in GPS	3
Signal Processing	3
Hi-Fi	3
Description to Sound and Music Computing	3
Description Image/Video Computing	3
Communications Protocols, Interoperability	3
Residential Gateway	
VoIP telephony, remote access	3
INDUSTRIAL MANUFACTURING, MATERIAL AND TRANSPORT	1
Design and Modelling / Prototypes	2
3D printing	3
Industrial Manufacture	2
Cleaning (sandblasting, brushing)	3
Coatings	3
Drying	3
Erosion, Removal (spark erosion, flame cutting, laser,)	3
Forming (rolling, forging, pressing, drawing)	3
Hardening, heat treatment	3
Joining techniques (riveting, screw driving, gluing)	3
Jointing (soldering, welding, sticking)	3
Machine Tools	3
Machining (turning, drilling, moulding, planing, cutting)	3
Machining, fine (grinding, lapping)	3
Mixing (powder, etc.), separation (sorting, filtering)	3
Moulding, injection moulding, extrusion, sintering	3
Moulding, injection moulding, sintering	3
Extrusion	3
Surface treatment (painting, galvano, polishing, CVD,)	3
Microengineering and nanoengineering	3
Micromachining, nanomachining	3
Microassembly, nanoassembly	3
Micropostioning, nanopositioning	3
Process control and logistics	2
Process automation	3
Manufacturing plants networks	3
Component integration	3
Supply chain	3
Information processing & Systems, Workflow	3
Prototypes, trials and pilot schemes	3
Plant Design and Maintenance	2
Packaging / Handling	2
Foil, fils	3
Laminate	3
Packaging for machines	3
Packaging for materials	3
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Plastic bags	3
Construction Technology	2
Building Materials, Components and Methods	3
Materials, components and systems for construction	3
Civil engineering	3
Construction Equipment	3
Construction methods and equipment	3
Fire Resistance/Safety	3
Mechanical Engineering, Hydraulics, Vibration,	3
Installations related to construction (energy, lighting,)	3
Pipeline Technology	3
Pulp Technology related to construction technology	3
Sensory/Multisensory Technology, Instrumentation	3
Construction maintenance and monitoring methods & equipment	3
Simulation, Simulation Engineering	3
Construction engineering (design, simulation)	3
Sound Insulation	3
Vacuum/ High Vacuum Technology	3
Gas Safety	3
	3
Security  Management of construction process 8 life	
Management of construction process & life	3
Materials Technology	2
Adhesives	3
Building materials	3
Ceramic Materials and Powders	3
Colours and varnish	3
Composite materials	3
Fine Chemicals, Dyes and Inks	3
Glass	3
Iron and Steel, Steelworks	3
Materials Handling Technology (solids, fluids, gases)	3
Metals and Alloys	3
Non-ferrous Metals	3
Optical Materials	3
Paper technology	3
Plastics, Polymers	3
Properties of Materials, Corrosion/Degradation	3
Rubber	3
Stone	3
Advanced Textile Materials	3
Lightweight materials	3
Biobased materials	3
Carbon nanotubes	3
Conductive materials	3
Hybrid materials	3
Nanomaterials	3
Transport Infrastructure	2

	1
Air Transport	3
Intermodal Transport	3
Logistics	3
Railway Transport	3
Road Transport	3
Traffic Engineering / Control Systems	3
Transhipment Systems	3
Water Transport	3
Transport and Shipping Technologies	2
Design of Vehicles	3
Hybrid and Electric Vehicles	3
Railway Vehicles	3
Road Vehicles	3
Shipbuilding	3
Traction/Propulsion Systems	3
Artificial intelligence applications for cars and transport	3
Navigation and embedded systems	3
Sensors for cars and transport	3
Lightweight construction	3
Air pollution control for cars and transport	3
Automotive engineering	3
Body and main parts	3
Automotive electrical and electronics	3
Audio / video	3
Charging system	3
Electrical supply system	3
Measurement devices	3
Ignition system	3
Lighting and signaling system	3
Switches and wiring	3
Security systems	3
Interior equipment	3
Powertrain and chassis	3
Braking system	3
Energy supply system	3
Transmission systems	3
Traffic, mobility	2
Planning and security	3
Engineering	
	3
System and transportation	3
Aerospace Technology	2
Aeronautical technology / Avionics	3
Aircraft	3
Helicopter	3
Satellite Navigation Systems	3
Space Exploration and Technology	3
Propulsion	3

Guidance and control	3
Thermal insulation for space applications	3
OTHER INDUSTRIAL TECHNOLOGIES	1
Other Industrial Technologies	2
Cleaning Technology	3
Process Plant Engineering	2
Apparatus Engineering	2
Chemical Technology and Engineering	2
Agro chemicals	3
	3
Anorganic Substances	+
Colours, dyes related to Chemical Technology	3
Electrical Engineering/ Electrical Equipment	3
Man made fibres	3
Organic Substances	3
Pharmaceutics	3
Plastics and Rubber related to Chemical Technology	3
Soaps, detergents	3
Special chemicals, intermediates	3
Care, Hygiene, Beauty	3
Textiles Technology	2
Component adhesives for strengthening of seam	3
Dry filling related to Textiles Technology	3
Dyeing related to Textiles Technology	3
Finisher related to Textiles Technology	3
	3
Non weaving related to Textiles Technology	3
Solvent based glues for strengthening of edges and seam	+
Thermoplastic textile fibres	3
Textile fibres	3
Weaving related to Textiles Technology	3
Woven technical textiles for industrial applications	3
Footwear / Leather Technology	2
Dry filling related to Footwear / Leather Technology	3
Dyes related to Footwear / Leather Technology	3
Tanned leather process/ Leather Technology	3
Sound Engineering/Technology	2
Mining Technologies	2
Printing	2
Flexography	3
Printed Reel Material	3
Household Goods & Appliances	2
ENERGY	1
	2
Energy storage and transport	<b>-</b>
Heat storage	3
Heat transport and supply, district heating	3
Storage of electricity, batteries	3
Transmission of electricity	3
Transport and storage of gas and liquid fuels	3

Transport and storage of hydrogen         3           Power to gas technology         3           Energy production, transmission and conversion         2           Fuel cell, hydrogen production         3           Fivel cells         3           Hydrogen production         3           Compression and liquefaction of gases         3           Furl liquefaction, gasification         3           Furnace technology, construction of heating boilers         3           Furnace and boiler technologies         3           Generators, electric engines and power converters         3           Heat exchangers         3           Heat pump, cooling technologies         3           Heat pump, cooling technologies         3           Heating, ventilation         3           Turbines, fluid machinery, combined heat and power         3           Turbines, fluid machinery, combined heat and power         3           Turbines         3           Micro-generation and grid connection         3           Other energy related machinery         3           Smart grids         3           Fossil Energy Sources         2           Coal and Hydrocarbons         3           Gaseous fossil fuel         3 </th <th>- · · · · · · · · · · · · · · · · · · ·</th> <th>1 2</th>	- · · · · · · · · · · · · · · · · · · ·	1 2
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	Rational use of energy	2

Energy efficiency Energy management 3 Lighting, illumination 3 Process optimisation, waste heat utilisation 3 Energy management 3 Lighting, illumination 3 Energy management 3 Lighting, illumination 3 Process optimisation, waste heat utilisation 3 Thermal insulation, energy efficiency in buildings 3 Thermal insulation 3 Heat pipes 3 Low, zero and plus energy rating 3 Other Energy Topics 2 Combustion, Flames 3 Fuel Technology 3 Fuels and engine technologies 3 Micro- and Nanotechnology related to energy 2 PHYSICAL AND EXACT SCIENCES 1 Astronomy 2 Chemistry 2 Analytical Chemistry 3 Computational Chemistry and Modelling 3  Selection of the strength of
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Chemistry2Analytical Chemistry3Computational Chemistry and Modelling3
Analytical Chemistry 3 Computational Chemistry and Modelling 3
Computational Chemistry and Modelling 3
1
Inorganic Chemistry 3
Organic Chemistry 3
Petrochemistry, Petroleum Engineering 3
Earth Sciences 2
Geology, Geological Engineering, Geotechnics 3
Oceanography 3
Tectonics, Seismology 3
Mathematics, Statistics 2
Algorithms and Complexity 3
Mathematical modelling 3
Statistical Analysis 3
Meteorology / Climatology 2
Biosensor 3
Moisture sensors 3
Temperature monitoring 3
Physics 2
Acoustics 3
Astrophysics / Cosmology 3
Laser Technology 3
Nuclear Physics 3
Physics of Fluids 3
Sensors/Multisensor Technology, Instrumentation 3
Solid state physics 3
Thermodynamics 3
Vibration and Acoustic engineering 3

Optics	3
Vacuum	3
	2
Mechanical Engineering Micro-Mechanics	3
Hydraulics	2
Separation Technologies	2
Filtration and Membrane Processes	3
Extraction	3
Adsorption	3
Distillation	3
Sublimation	3
Other Processes	3
Micro- and Nanotechnology related to physical sciences	2
Micro- and Nanotechnology	2
BIOLOGICAL SCIENCES	1
Medicine, Human Health	2
Biostatistics, Epidemiology	3
Care and Health Services	3
Clinical Research, Trials	3
Cytology, Cancerology, Oncology	3
Dentistry / Odontology, Stomatology	3
Diagnostics, Diagnosis	3
Human vaccines	3
Diseases	3
Emergency medicine	3
Environmental Medicine, Social Medicine, Sports Medicine	3
Gene - DNA Therapy	3
Gerontology and Geriatrics	3
Heart and blood circulation illnesses	3
Electromedical and Medical Equipment	3
Medical Research	3
Medical Technology / Biomedical Engineering	3
Neurology, Brain Research	3
Pharmaceutical Products / Drugs	3
Physiology	3
Surgery	3
Virus, Virology/Antibiotics/Bacteriology	3
Stem cell Technologies	3
Laboratory Equipment	3
Rescue and Emergency Equipment	3
Physiotherapy, Orthopaedic Technology	3
Single Use Products and Consumer Goods	3
Medical Textiles	3
Medical Furniture	3
Medical Biomaterials	3
Biology / Biotechnology	2
Biochemistry / Biophysics	3

Cellular and Molecular Biology	3
Enzymology/Protein Engineering/Fermentation	3
Enzyme Technology	3
Protein Engineering	3
Genetic Engineering	3
Synthetic Biology	3
In vitro Testing, Trials	3
Microbiology	3
Molecular design	3
Toxicology	3
Bionics	3
Genome Research	2
Bioinformatics	3
Gene Expression, Proteom Research	3
Population genetics	3
Micro- and Nanotechnology related to Biological sciences	2
E-Health	2
Safety & systems	3
Sensors & Wireless products	3
Health information management	3
Remote diagnostics	3
Industrial Biotechnology	2
Biobased Materials	3
Bioplastics	3
Biobased chemical building blocks	3
	3
Biopolymers Biobased high-performance materials	3
Biological Nanomaterials	3
Biolubricants	3
Biotensides	3
Ionic Liquids	
	3
Bio- Composites	3
Fermentation	3
Bioprocesses	
Downstream Processing	3
AGRICULTURE AND MARINE RESOURCES	1
Agriculture	2
Agriculture Machinery / Technology	3
Animal Production / Husbandry	3
Biocontrol	3
Crop Production	3
Horticulture	3
Pesticides	3
Precision agriculture	3
Seed coating	3
Veterinary Medicine	3
Sylviculture, Forestry, Forest technology	2

Forest technology	3
Paper Technology	3
Pulp Technology	3
Sylviculture, Forestry	3
Wood Products	3
Resources of the Sea, Fisheries	2
Aquaculture	3
Fish / Fisheries / Fishing Technology	3
Marine Science	3
Micro- and Nanotechnology to related agriculture and marine resources	3
AGROFOOD INDUSTRY	1
Technologies for the food industry	2
Drink Technology	3
Food Additives/Ingredients/Functional Food	3
Food Packaging / Handling	3
Food Processing	3
Food Technology	3
Food quality and safety	2
Detection and Analysis methods	3
Food Microbiology / Toxicology / Quality Control	3
Safe production methods	3
Tracability of food	3
Nutrition and Health	2
Micro- and Nanotechnology related to agrofood	2
MEASUREMENTS AND STANDARDS	1
Measurement Tools	2
Acoustic Technology related to measurements	3
Analyses / Test Facilities and Methods	3
Chemical material testing	3
Electrical Technology related to measurements	3
Mechanical Technology related to measurements	3
Optical material testing	3
Optical Technology related to measurements	3
Other Non Destructive Testing	3
Sensor Technology related to measurements	3
Thermal material testing	3
Amplifier, A/D Transducer	2
Electronic measurement systems	2
Recording Devices	2
Reference Materials	2
Standards	2
Quality Standards	3
Technical Standards	3
PROTECTING MAN AND ENVIRONMENT	1
Safety	2
Acoustic safety	3
Assessment of Risk	3

Assessment of Environmental Risk and Impact	3
Fire Safety Technology	3
Hazardous Materials	3
Radiation Protection	3
Protection against intoxication	3
Environment	2
Air Pollution/Treatment	3
Indoor Air Pollution/Treatment	3
Outoor Air Pollution/Treatment	3
Capture and Storage of CO2	3
Climate Change mitigation	3
Biodiversity	3
Biodiversity / Natural Heritage	3
Ecology	3
Environmental Engineering / Technology	3
Measurement and Detection of Pollution	3
Natural Disasters	3
Remote sensing technology Soil Pollution	3
	3
Soil and Groundwater Pollution	3
Remediation of Contaminated Sites	3
Clean Production / Green Technologies	3
Noise Pollution	3
Life Cycle Assessment	3
Water Pollution / Treatment	3
Waste Management	2
Biotreatment / Compost / Bioconversion	3
Incineration and Pyrolysis	3
Land and Sea Disposal	3
Recycling, Recovery	3
Radioactive Waste	3
Waste desinfection / detoxification	3
Waste to Energy /Resource	3
Landfill mining	3
Rare Earths Metals Treatment	3
Water Management	2
Industrial Water Treatment	3
Municipal Water Treatment	3
Wastewater Recycling	3
Drinking Water	3
Rain Water	3
Sludge Treatment / Disposal	3
Desalination	3
	3
Water Resources Management	3
Marine Environment	
Hydrology	3
Flood Management	3

Water in Buildings	3
Underground infrastructure	3
SOCIAL AND ECONOMICS CONCERNS	1
Socio-economic models, economic aspects	2
Education and Training	2
Information and media, society	2
Technology, Society and Employment	2
Infrastructures for social sciences and humanities	2
Citizens participation	2
Foresight tools	2
Sports and Leisure	2
Creative services	2
Creative products	2