

## BROWSE PROFILES BY KEYWORDS

SELECT THE KEYWORD YOU ARE INTERESTED IN AND CLICK ON IT TO SEE ALL RELATED PROFILES

### 1. ELECTRONICS, IT AND TELECOMMS

<b><u>1.1. Electronics, Microelectronics</u></b>	<b><u>Payment &amp; Signature</u></b>
1.1.1. <u>Automation, Robotics Control Systems</u>	1.2.12. <u>Imaging, Image Processing, Pattern Recognition</u>
1.1.2. <u>Digital Systems, Digital Representation</u>	1.2.13. <u>Information Technology/Informatics</u>
1.1.3. <u>Electronic circuits, components and equipment</u>	1.2.14. <u>Internet Technologies/Communication (Wireless, Bluetooth)</u>
1.1.4. <u>Electronic engineering</u>	1.2.15. <u>Knowledge Management, Process Management</u>
1.1.5. <u>Embedded Systems and Real Time Systems</u>	1.2.16. <u>Simulation</u>
1.1.6. <u>High Frequency Technology, Microwaves</u>	1.2.17. <u>Speech Processing/Technology</u>
1.1.7. <u>Magnetic and superconductive materials/devices</u>	1.2.18. <u>User Interfaces, Usability</u>
1.1.8. <u>Microengineering</u>	1.2.19. <u>Electronic Signature</u>
1.1.9. <u>Micromachining</u>	1.2.20. <u>Building Automation Software</u>
1.1.10. <u>Nanotechnologies related to electronics &amp; microelectronics</u>	1.2.21. <u>Remote Control</u>
1.1.11. <u>Optical Networks and Systems</u>	1.2.22. <u>Smart Appliances</u>
1.1.12. <u>Peripherals Technologies (Mass Data Storage, Displays)</u>	<b><u>1.3. IT and Telematics Applications</u></b>
1.1.13. <u>Printed circuits and integrated circuits</u>	1.3.1. <u>Applications for Health</u>
1.1.14. <u>Quantum Informatics</u>	1.3.2. <u>Applications for Tourism</u>
1.1.15. <u>Semiconductors</u>	1.3.3. <u>Applications for Transport and Logistics</u>
1.1.16. <u>Smart cards and access systems</u>	1.3.4. <u>ASP Application Service Providing</u>
1.1.17. <u>Environmental and Biometrics Sensors, Actuators</u>	1.3.5. <u>e-Government</u>
<b><u>1.2. Information Processing &amp; Systems, Workflow Management</u></b>	1.3.6. <u>Environment Management Systems</u>
1.2.1. <u>Advanced Systems Architecture</u>	1.3.7. <u>GIS Geographical Information Systems</u>
1.2.2. <u>Archivistics/Documentation/Technical Documentation</u>	1.3.8. <u>CRM - Customer relationship Management</u>
1.2.3. <u>Artificial Intelligence (AI)</u>	1.3.9. <u>Quality Management System</u>
1.2.4. <u>Computer Games</u>	1.3.10. <u>Maintenance Management System</u>
1.2.5. <u>Computer Hardware</u>	1.3.11. <u>Operation Planning and Scheduler System</u>
1.2.6. <u>Computer Software</u>	1.3.12. <u>Didactic System</u>
1.2.7. <u>Computer Technology/Graphics, Meta Computing</u>	1.3.13. <u>ICM - Internet Content Management</u>
1.2.8. <u>Data Processing / Data Interchange, Middleware</u>	1.3.14. <u>Analysis Risk Management</u>
1.2.9. <u>Data Protection, Storage, Cryptography, Security</u>	1.3.15. <u>Work Hygiene and Safety Management</u>
1.2.10. <u>Databases, Database Management, Data Mining</u>	<b><u>1.4. Multimedia</u></b>
1.2.11. <u>Electronic Commerce, Electronic</u>	1.4.1. <u>Cultural Heritage</u>
	1.4.2. <u>E-Learning</u>
	1.4.3. <u>E-Publishing, Digital Content</u>
	1.4.4. <u>Human Language Technologies</u>
	1.4.5. <u>Information Filtering, Semantics, Statistics</u>

1.4.6. <u>Visualisation, Virtual Reality</u>
<b>1.5. <u>Telecommunications, Networking</u></b>
1.5.1. <u>Audiovisual Equipment and Communication</u>
1.5.2. <u>Broadband Technologies</u>
1.5.3. <u>Mobile Communications</u>
1.5.4. <u>Narrow Band Technologies</u>
1.5.5. <u>Network Technology, Network Security</u>
1.5.6. <u>Radar</u>
1.5.7. <u>Research Networking, GRID</u>

1.5.8. <u>Satellite Technology/Positioning/Communication in GPS</u>
1.5.9. <u>Signal Processing</u>
1.5.10. <u>Hi-Fi</u>
1.5.11. <u>Description to Sound and Music Computing</u>
1.5.12. <u>Description Image/Video Computing</u>
1.5.13. <u>Communications Protocols, Interoperability</u>
1.5.14. <u>Residential Gateway</u>

## 2. INDUSTRIAL MANUFACTURING, MATERIAL AND TRANSPORT

<b>2.1. <u>Design and Modelling / Prototypes</u></b>
<b>2.2. <u>Industrial Manufacture</u></b>
2.2.1. <u>Cleaning (sandblasting, brushing)</u>
2.2.2. <u>Coatings</u>
2.2.3. <u>Drying</u>
2.2.4. <u>Erosion, Removal (spark erosion, flame cutting, laser, ...)</u>
2.2.5. <u>Forming (rolling, forging, pressing, drawing)</u>
2.2.6. <u>Hardening, heat treatment</u>
2.2.7. <u>Joining techniques (riveting, screw driving, gluing)</u>
2.2.8. <u>Joining (soldering, welding, sticking)</u>
2.2.9. <u>Machine Tools</u>
2.2.10. <u>Machining (turning, drilling, moulding, planing, cutting)</u>
2.2.11. <u>Machining, fine (grinding, lapping)</u>
2.2.12. <u>Mixing (powder, etc.), separation (sorting, filtering)</u>
2.2.13. <u>Moulding, injection moulding, extrusion, sintering</u>
2.2.14. <u>Surface treatment (painting, galvano, polishing, CVD, ...)</u>
<b>2.3. <u>Process control and logistics</u></b>
<b>2.4. <u>Plant Design and Maintenance</u></b>
<b>2.5. <u>Packaging / Handling</u></b>
2.5.1. <u>Foil, films</u>
2.5.2. <u>Laminate</u>
2.5.3. <u>Packaging for machines</u>
2.5.4. <u>Packaging for materials</u>
2.5.5. <u>Plastic bags</u>
<b>2.6. <u>Construction Technology</u></b>
2.6.1. <u>Building Materials, Components and Methods</u>
2.6.2. <u>Civil engineering</u>
2.6.3. <u>Construction Equipment</u>
2.6.4. <u>Fire Resistance/Safety</u>
2.6.5. <u>Mechanical Engineering, Hydraulics, Vibration, ...</u>
2.6.6. <u>Pipeline Technology</u>

2.6.7. <u>Pulp Technology related to construction technology</u>
2.6.8. <u>Sensory/Multisensory Technology, Instrumentation</u>
2.6.9. <u>Simulation, Simulation Engineering</u>
2.6.10. <u>Sound Insulation</u>
2.6.11. <u>Vacuum/ High Vacuum Technology</u>
2.6.12. <u>Gas Safety</u>
2.6.13. <u>Security</u>
<b>2.7. <u>Materials Technology</u></b>
2.7.1. <u>Adhesives</u>
2.7.2. <u>Building materials</u>
2.7.3. <u>Ceramic Materials and Powders</u>
2.7.4. <u>Colours and varnish</u>
2.7.5. <u>Composite materials</u>
2.7.6. <u>Fine Chemicals, Dyes and Inks</u>
2.7.7. <u>Glass</u>
2.7.8. <u>Iron and Steel, Steelworks</u>
2.7.9. <u>Materials Handling Technology (solids, fluids, gases)</u>
2.7.10. <u>Metals and Alloys</u>
2.7.11. <u>Non-ferrous Metals</u>
2.7.12. <u>Optical Materials</u>
2.7.13. <u>Paper technology</u>
2.7.14. <u>Plastics, Polymers</u>
2.7.15. <u>Properties of Materials, Corrosion/Degradation</u>
2.7.16. <u>Rubber</u>
2.7.17. <u>Stone</u>
2.7.18. <u>Advanced Textile Materials</u>
<b>2.8. <u>Transport Infrastructure</u></b>
2.8.1. <u>Air Transport</u>
2.8.2. <u>Intermodal Transport</u>
2.8.3. <u>Logistics</u>
2.8.4. <u>Railway Transport</u>
2.8.5. <u>Road Transport</u>
2.8.6. <u>Traffic Engineering / Control Systems</u>
2.8.7. <u>Transshipment Systems</u>

2.8.8. <u>Water Transport</u>
<b>2.9. <u>Transport and Shipping Technologies</u></b>
2.9.1. <u>Design of Vehicles</u>
2.9.2. <u>Hybrid and Electric Vehicles</u>
2.9.3. <u>Railway Vehicles</u>
2.9.4. <u>Road Vehicles</u>
2.9.5. <u>Shipbuilding</u>
2.9.6. <u>Traction/Propulsion Systems</u>

<b>2.10 <u>Aerospace Technology</u></b>
2.10.1. <u>Aeronautical technology / Avionics</u>
2.10.2. <u>Aircraft</u>
2.10.3. <u>Helicopter</u>
2.10.4. <u>Satellite Navigation Systems</u>
2.10.5. <u>Space Exploration and Technology</u>

### 3. OTHER INDUSTRIAL TECHNOLOGIES

<b>3.1. <u>Other Industrial Technologies</u></b>
3.1.1. <u>Cleaning Technology</u>
<b>3.2. <u>Process Plant Engineering</u></b>
<b>3.3. <u>Apparatus Engineering</u></b>
<b>3.4. <u>Chemical Technology and Engineering</u></b>
3.4.1. <u>Agro chemicals</u>
3.4.2. <u>Anorganic Substances</u>
3.4.3. <u>Colours, dyes related to Chemical Technology</u>
3.4.4. <u>Electrical Engineering/ Electrical Equipment</u>
3.4.5. <u>Man made fibres</u>
3.4.6. <u>Organic Substances</u>
3.4.7. <u>Pharmaceutics</u>
3.4.8. <u>Plastics and Rubber related to Chemical Technology</u>
3.4.9. <u>Soaps, detergents</u>
3.4.10. <u>Special chemicals, intermediates</u>
3.4.11. <u>Care, Hygiene, Beauty</u>
<b>3.5. <u>Textiles Technology</u></b>
3.5.1. <u>Component adhesives for strengthening of seam</u>
3.5.2. <u>Dry filling related to Textiles Technology</u>

3.5.3. <u>Dyeing related to Textiles Technology</u>
3.5.4. <u>Finisher related to Textiles Technology</u>
3.5.5. <u>Non weaving related to Textiles Technology</u>
3.5.6. <u>Solvent based glues for strengthening of edges and seam</u>
3.5.7. <u>Thermoplastic textile fibres</u>
3.5.8. <u>Weaving related to Textiles Technology</u>
3.5.9. <u>Woven technical textiles for industrial applications</u>
<b>3.6. <u>Footwear / Leather Technology</u></b>
3.6.1. <u>Dry filling related to Footwear / Leather Technology</u>
3.6.2. <u>Dyes related to Footwear / Leather Technology</u>
3.6.3. <u>Tanned leather process/ Leather Technology</u>
<b>3.7. <u>Sound Engineering/Technology</u></b>
<b>3.8. <u>Mining Technologies</u></b>
<b>3.9. <u>Printing</u></b>
3.9.1. <u>Flexography</u>
3.9.2. <u>Printed Reel Material</u>
<b>3.10. <u>Household Goods &amp; Appliances</u></b>

### 4. ENERGY

<b>4.1. <u>Energy storage and transport</u></b>
4.1.1. <u>Heat storage</u>
4.1.2. <u>Heat transport and supply, district heating</u>
4.1.3. <u>Storage of electricity, batteries</u>
4.1.4. <u>Transmission of electricity</u>
4.1.5. <u>Transport and storage of gas and liquid fuels</u>
4.1.6. <u>Transport and storage of hydrogen</u>
<b>4.2. <u>Energy production, transmission and conversion</u></b>
4.2.1. <u>Fuel cell, hydrogen production</u>
4.2.2. <u>Fuel liquefaction, gasification</u>
4.2.3. <u>Furnace technology, construction of</u>

<u>heating boilers</u>
4.2.4. <u>Generators, electric engines and power converters</u>
4.2.5. <u>Heat exchangers</u>
4.2.6. <u>Heat pump, cooling technologies</u>
4.2.7. <u>Heating, ventilation</u>
4.2.8. <u>Turbines, fluid machinery, combined heat and power</u>
<b>4.3. <u>Fossil Energy Sources</u></b>
4.3.1. <u>Coal and Hydrocarbons</u>
4.3.2. <u>Gaseous fossil fuel</u>
4.3.3. <u>Solid fossil fuel</u>
4.3.4. <u>Liquid fossil fuel</u>

<b>4.4. <u>Nuclear Fission / Nuclear Fusion</u></b>
<b>4.5. <u>Renewable Sources of Energy</u></b>
4.5.1. <u>Gaseous biomass</u>
4.5.2. <u>Geothermal energy</u>
4.5.3. <u>Hydropower</u>
4.5.4. <u>Liquid biomass</u>
4.5.5. <u>Photovoltaics</u>
4.5.6. <u>Solar/Thermal energy</u>
4.5.7. <u>Solid biomass</u>
4.5.8. <u>Unconventional and Alternative Energies</u>
4.5.9. <u>Waste incineration</u>

4.5.10. <u>Wind energy</u>
<b>4.6. <u>Rational use of energy</u></b>
4.6.1. <u>Energy management</u>
4.6.2. <u>Lighting, illumination</u>
4.6.3. <u>Process optimisation, waste heat utilisation</u>
4.6.4. <u>Thermal insulation, energy efficiency in buildings</u>
<b>4.7. <u>Other Energy Topics</u></b>
4.7.1. <u>Combustion, Flames</u>
4.7.2. <u>Fuel Technology</u>

## 5. **PHYSICAL AND EXACT SCIENCES**

<b>5.1. <u>Astronomy</u></b>
<b>5.2. <u>Chemistry</u></b>
5.2.1. <u>Analytical Chemistry</u>
5.2.2. <u>Computational Chemistry and Modelling</u>
5.2.3. <u>Inorganic Chemistry</u>
5.2.4. <u>Organic Chemistry</u>
5.2.5. <u>Petrochemistry, Petroleum Engineering</u>
<b>5.3. <u>Earth Sciences</u></b>
5.3.1. <u>Geology, Geological Engineering, Geotechnics</u>
5.3.2. <u>Oceanography</u>
5.3.3. <u>Tectonics, Seismology</u>
<b>5.4. <u>Mathematics, Statistics</u></b>
5.4.1. <u>Algorithms and Complexity</u>
5.4.2. <u>Mathematical modelling</u>
5.4.3. <u>Statistical Analysis</u>
<b>5.5. <u>Meteorology / Climatology</u></b>
5.5.1. <u>Biosensor</u>
5.5.2. <u>Moisture sensors</u>
5.5.3. <u>Temperature monitoring</u>
<b>5.6. <u>Physics</u></b>
5.6.1. <u>Acoustics</u>

5.6.2. <u>Astrophysics / Cosmology</u>
5.6.3. <u>Laser Technology</u>
5.6.4. <u>Nuclear Physics</u>
5.6.5. <u>Physics of Fluids</u>
5.6.6. <u>Sensors/Multisensor Technology, Instrumentation</u>
5.6.7. <u>Solid state physics</u>
5.6.8. <u>Thermodynamics</u>
5.6.9. <u>Vibration and Acoustic engineering</u>
5.6.10. <u>Optics</u>
<b>5.7. <u>Mechanical Engineering</u></b>
5.7.1. <u>Micro-Mechanics</u>
<b>5.8. <u>Hydraulics</u></b>
<b>5.9. <u>Separation Technologies</u></b>
5.9.1. <u>Filtration and Membrane Processes</u>
5.9.2. <u>Extraction</u>
5.9.3. <u>Adsorption</u>
5.9.4. <u>Distillation</u>
5.9.5. <u>Sublimation</u>
5.9.6. <u>Other Processes</u>
<b>5.10. <u>Micro- and Nanotechnology related to physical sciences</u></b>

## 6. **BIOLOGICAL SCIENCES**

<b>6.1. <u>Medicine, Human Health</u></b>
6.1.1. <u>Biostatistics, Epidemiology</u>
6.1.2. <u>Care and Health Services</u>
6.1.3. <u>Clinical Research, Trials</u>
6.1.4. <u>Cytology, Cancerology, Oncology</u>
6.1.5. <u>Dentistry / Odontology, Stomatology</u>
6.1.6. <u>Diagnostics, Diagnosis</u>
6.1.7. <u>Diseases</u>
6.1.8. <u>Environmental Medicine, Social Medicine, Sports Medicine</u>
6.1.9. <u>Gene - DNA Therapy</u>
6.1.10. <u>Gerontology and Geriatrics</u>
6.1.11. <u>Heart and blood circulation illnesses</u>
6.1.12. <u>Electromedical and Medical Equipment</u>
6.1.13. <u>Medical Research</u>
6.1.14. <u>Medical Technology / Biomedical Engineering</u>
6.1.15. <u>Neurology, Brain Research</u>
6.1.16. <u>Pharmaceutical Products / Drugs</u>
6.1.17. <u>Physiology</u>
6.1.18. <u>Surgery</u>
6.1.19. <u>Virus, Virology/Antibiotics/Bacteriology</u>
6.1.20. <u>Laboratory Equipment</u>

6.1.21. <u>Rescue and Emergency Equipment</u>
6.1.22. <u>Physiotherapy, Orthopaedic Technology</u>
6.1.23. <u>Single Use Products and Consumer Goods</u>
6.1.24. <u>Medical Textiles</u>
6.1.25. <u>Medical Furniture</u>
6.1.26. <u>Medical Biomaterials</u>
<b>6.2. <u>Biology / Biotechnology</u></b>
6.2.1. <u>Biochemistry / Biophysics</u>
6.2.2. <u>Cellular and Molecular Biology</u>
6.2.3. <u>Enzymology/Protein Engineering/Fermentation</u>
6.2.4. <u>Genetic Engineering</u>
6.2.5. <u>In vitro Testing, Trials</u>
6.2.6. <u>Microbiology</u>
6.2.7. <u>Molecular design</u>
6.2.8. <u>Toxicology</u>
<b>6.3. <u>Genome Research</u></b>
6.3.1. <u>Bioinformatics</u>
6.3.2. <u>Gene Expression, Proteom Research</u>
6.3.3. <u>Population genetics</u>
<b>6.4. <u>Micro- and Nanotechnology related to Biological sciences</u></b>

## 7. **AGRICULTURE AND MARINE RESOURCES**

<b>7.1. <u>Agriculture</u></b>
7.1.1. <u>Agriculture Machinery / Technology</u>
7.1.2. <u>Animal Production / Husbandry</u>
7.1.3. <u>Biocontrol</u>
7.1.4. <u>Crop Production</u>
7.1.5. <u>Horticulture</u>
7.1.6. <u>Pesticides</u>
7.1.7. <u>Precision agriculture</u>
7.1.8. <u>Seed coating</u>
7.1.9. <u>Veterinary Medicine</u>
<b>7.2. <u>Sylviculture, Forestry, Forest</u></b>

<b><u>technology</u></b>
7.2.1. <u>Forest technology</u>
7.2.2. <u>Paper Technology</u>
7.2.3. <u>Pulp Technology</u>
7.2.4. <u>Sylviculture, Forestry</u>
7.2.5. <u>Wood Products</u>
<b>7.3. <u>Resources of the Sea, Fisheries</u></b>
7.3.1. <u>Aquaculture</u>
7.3.2. <u>Fish / Fisheries / Fishing Technology</u>
7.3.3. <u>Marine Science</u>

## 8. **AGROFOOD INDUSTRY**

<b>8.1. <u>Technologies for the food industry</u></b>
8.1.1. <u>Drink Technology</u>
8.1.2. <u>Food Additives/Ingredients/Functional Food</u>
8.1.3. <u>Food Packaging / Handling</u>
8.1.4. <u>Food Processing</u>
8.1.5. <u>Food Technology</u>

<b>8.2. <u>Food quality and safety</u></b>
8.2.1. <u>Detection and Analysis methods</u>
8.2.2. <u>Food Microbiology / Toxicology / Quality Control</u>
8.2.3. <u>Safe production methods</u>
8.2.4. <u>Tracability of food</u>
<b>8.3. <u>Nutrition and Health</u></b>

## 9. MEASUREMENTS AND STANDARDS

<b>9.1. Measurement Tools</b>
9.1.1. <u>Acoustic Technology related to measurements</u>
9.1.2. <u>Analyses / Test Facilities and Methods</u>
9.1.3. <u>Chemical material testing</u>
9.1.4. <u>Electrical Technology related to measurements</u>
9.1.5. <u>Mechanical Technology related to measurements</u>
9.1.6. <u>Optical material testing</u>
9.1.7. <u>Optical Technology related to measurements</u>
9.1.8. <u>Other Non Destructive Testing</u>

9.1.9. <u>Sensor Technology related to measurements</u>
9.1.10. <u>Thermal material testing</u>
<b>9.2. Amplifier, A/D Transducer</b>
<b>9.3. Electronic measurement systems</b>
<b>9.4. Recording Devices</b>
<b>9.5. Reference Materials</b>
<b>9.6. Standards</b>
9.6.1. <u>Quality Standards</u>
9.6.2. <u>Technical Standards</u>

## 10. PROTECTING MAN AND ENVIRONMENT

<b>10.1. Safety</b>
10.1.1. <u>Acoustic safety</u>
10.1.2. <u>Assessment of Risk</u>
10.1.3. <u>Fire Safety Technology</u>
10.1.4. <u>Hazardous Materials</u>
10.1.5. <u>Radiation Protection</u>
<b>10.2. Environment</b>
10.2.1. <u>Air Pollution/Treatment</u>
10.2.2. <u>Biodiversity</u>
10.2.3. <u>Ecology</u>
10.2.4. <u>Environmental Engineering / Technology</u>
10.2.5. <u>Measurement and Detection of</u>

<u>Pollution</u>
10.2.6. <u>Natural Disasters</u>
10.2.7. <u>Remote sensing technology</u>
10.2.8. <u>Soil Pollution</u>
10.2.9. <u>Water Pollution / Treatment</u>
<b>10.3. Waste Management</b>
10.3.1. <u>Biotreatment / Compost / Bioconversion</u>
10.3.2. <u>Incineration and Pyrolysis</u>
10.3.3. <u>Land and Sea Disposal</u>
10.3.4. <u>Recycling, Recovery</u>
10.3.5. <u>Radioactive Waste</u>

## 11. SOCIAL AND ECONOMICS CONCERNS

<b>11.1. Socio-economic models, economic aspects</b>
<b>11.2. Education and Training</b>
<b>11.3. Information and media, society</b>
<b>11.4. Technology, Society and Employment</b>

<b>11.5. Infrastructures for social sciences and humanities</b>
<b>11.6. Citizens participation</b>
<b>11.7. Foresight tools</b>
<b>11.8. Sports and Leisure</b>