

2020 Inspec Thesaurus and Classification Code Changes

About Thesaurus and Classification Codes

The Inspec Thesaurus and Classification scheme are valuable search tools to help you refine your search results.

The Thesaurus contains over 9980 Index Terms and is a terminology based subject index. The Index Terms are themselves interrelated to allow you either to find the most exact term(s) to add to your search or to broaden out your search with additional terms.

The Inspec Classification is a subject categorisation scheme containing over 3500 Classification Codes. These codes can be used to specify a subject area without needing to specify all the sub-concepts that might be used to define it, and to restrict the results of Index Term searches which may cross subject areas.

About Revisions

Inspec regularly assesses and updates these taxonomies in line with advances in scientific and technological terminology and changes in the focus of research.

New Classification Codes may be added to allow access to formerly hard to access concepts and codes may be amended to reflect changes in terminology or to make explicit indexing practice. For 2020, four new codes are being added and all codes under Section D are being retired:

Please note: From 1st January 2020, we will no longer be using the subject classifications under “D: Information and Technology for Business” to index content in Inspec. All relevant content will continue to be indexed under other appropriate subject classifications. Section D codes will remain searchable for content indexed prior to this date.

If you have an interest in searching Inspec for material related to this subject area, alternative classification codes can be found in Sections B (Electrical Engineering and Electronics), C (Computers and Control) and E (Mechanical and production Engineering). A List of these classifications can be found below. Any alerts, or saved searches, which include Section D classifications, should be amended accordingly.

Similarly new Index Terms may be introduced to allow new concepts to be specified, to subdivide growing research areas, or to match changes in the terminology of the material being indexed. 21 new Index Terms are being introduced for 2020. In addition, 84 concepts are being added which are synonyms, or explain, and lead to the Index Terms to use for those concepts. There are also a number of corrections and additions to the inter-term and code-term relationships. There are no Index Terms being retired.

The improved Thesaurus and Classification tools containing all these changes will be available in January in time for the first update of 2020.

Changes for 2020

If your Saved Search (or Alert) contains Full Terms or Classification Codes from the following lists, you may wish to consider the related new concepts for addition into your strategy.

List of New Classification Codes linked to Pre-2020 Practice

Pre 2020 Code	New Code	New Code Text
A9870	A9870T	Cosmic gravitational wave sources
A9880D	A9880N	Dark matter
A9880D	A9880M	Dark energy
A9880D	A1480L	Dark matter candidates

List of New Index Terms Linked to Pre-2020 Terms

Pre 2020 Index Term	Relationship	New Index Term
5G mobile communication	Related term	6G mobile communication
accelerometers	Related term	fall detection
administrative data processing	Related term	data governance
alarm systems	Related term	fall detection
application specific integrated circuits	Related term	AI chips
archaeology	Related term	excavation
artificial intelligence	Narrow term	AI chips
assisted living	Related term	fall detection
autonomous underwater vehicles	Related term	marine robots
Bayes methods	Narrow term	naive Bayes methods
belief maintenance	Related term	belief propagation
belief networks	Related term	belief propagation
biomechanics	Narrow term	fall detection
biomedical communication	Related term	fall detection
boats	Related term	marine robots
body sensor networks	Related term	fall detection
building standards	Related term	IET standards
business data processing	Related term	data governance
canals	Related term	excavation
catalysis	Narrow term	electrocatalysis
catalysts	Narrow term	electrocatalysts
cellular radio	Related term	6G mobile communication
CMOS integrated circuits	Related term	neuromorphic engineering
cognitive systems	Related term	fuzzy cognitive maps
construction industry	Related term	excavation
coprocessors	Related term	AI chips
data handling	Narrow term	data governance
data handling	Narrow term	open data
data integrity	Related term	data governance
data mining	Related term	naive Bayes methods

data models	Related term	data governance
data privacy	Related term	data governance
data protection	Related term	data governance
database theory	Related term	data governance
decision making	Related term	fuzzy cognitive maps
directed graphs	Narrow term	fuzzy cognitive maps
DP management	Related term	data governance
elasticity	Narrow term	rigidity
electric vehicles	Related term	IET standards
electrical installation	Related term	IET standards
electrical safety	Related term	IET standards
electrochemical electrodes	Related term	electrocatalysts
electrochemistry	Narrow term	electrocatalysis
electrochemistry	Related term	electrocatalysts
electronic publishing	Related term	open data
emergent phenomena	Related term	systems of systems
energy management systems	Related term	IET standards
enzymes	Related term	electrocatalysts
excavators	Related term	excavation
field programmable gate arrays	Related term	AI chips
food waste	Related term	municipal solid waste
foundations	Related term	excavation
fuzzy logic	Related term	fuzzy cognitive maps
fuzzy reasoning	Related term	fuzzy cognitive maps
fuzzy set theory	Related term	fuzzy cognitive maps
fuzzy systems	Related term	fuzzy cognitive maps
geotechnical engineering	Narrow term	excavation
geriatrics	Related term	fall detection
government data processing	Related term	open data
government policies	Related term	data governance
government policies	Related term	open data
graph theory	Related term	belief propagation
graphics processing units	Related term	AI chips
gravitational waves	Related term	gravitational wave sources (astronomical)
handicapped aids	Related term	fall detection
home automation	Related term	fall detection
image motion analysis	Related term	fall detection
image recognition	Related term	fall detection
incineration	Related term	municipal solid waste
industrial waste	Related term	municipal solid waste
inference mechanisms	Narrow term	belief propagation
inference mechanisms	Related term	fuzzy cognitive maps
injuries	Related term	fall detection

interconnected systems	Related term	systems of systems
internal stresses	Related term	surface stress
Internet	Related term	open data
knowledge representation	Narrow term	fuzzy cognitive maps
large-scale systems	Narrow term	systems of systems
leaching	Related term	municipal solid waste
learning (artificial intelligence)	Related term	AI chips
learning (artificial intelligence)	Related term	fuzzy cognitive maps
learning (artificial intelligence)	Narrow term	naive Bayes methods
legislation	Related term	data governance
lighting	Related term	IET standards
Linked Data	Related term	open data
local government	Related term	municipal solid waste
magnetic fields	Related term	saturation magnetisation
magnetisation	Narrow term	saturation magnetisation
magnets	Related term	saturation magnetisation
marine control	Related term	marine robots
marine engineering	Related term	excavation
marine engineering	Related term	marine robots
marine navigation	Related term	marine robots
marine safety	Related term	marine robots
marine vehicles	Narrow term	marine robots
Markov processes	Related term	belief propagation
mechanical properties	Narrow term	surface stress
medical image processing	Related term	fall detection
medical signal detection	Related term	fall detection
medical signal processing	Related term	fall detection
memristors	Related term	neuromorphic engineering
mesoporous materials	Related term	electrocatalysts
meta data	Related term	data governance
microprocessor chips	Narrow term	AI chips
military vehicles	Related term	marine robots
mining industry	Related term	excavation
mobile radio	Narrow term	6G mobile communication
mobile robots	Related term	marine robots
motion sensors	Related term	fall detection
multimedia computing	Narrow term	multimedia Web sites
multimedia databases	Related term	multimedia Web sites
multiprocessing systems	Related term	AI chips
naval engineering	Related term	marine robots
networked control systems	Related term	systems of systems
neural chips	Related term	AI chips
neural chips	Related term	neuromorphic engineering
neural net architecture	Related term	neuromorphic engineering

neural nets	Related term	AI chips
neural nets	Related term	fuzzy cognitive maps
neural nets	Narrow term	neuromorphic engineering
neurophysiology	Related term	neuromorphic engineering
object detection	Related term	fall detection
oceanographic equipment	Related term	marine robots
oceanographic techniques	Related term	marine robots
ontologies (artificial intelligence)	Related term	open data
organisational aspects	Narrow term	data governance
packet radio networks	Related term	6G mobile communication
parallel processing	Related term	AI chips
path planning	Related term	marine robots
patient care	Related term	fall detection
patient monitoring	Related term	fall detection
pattern classification	Narrow term	naive Bayes methods
probability	Related term	belief propagation
probability	Related term	naive Bayes methods
public administration	Related term	municipal solid waste
public administration	Related term	open data
public domain software	Related term	open data
quality management	Related term	data governance
quarrying industry	Related term	excavation
reaction kinetics	Related term	electrocatalysis
recycling	Related term	municipal solid waste
refuse disposal	Related term	municipal solid waste
remotely operated vehicles	Related term	marine robots
rescue robots	Related term	marine robots
rivers	Related term	excavation
road building	Related term	excavation
robots	Narrow term	marine robots
rocks	Related term	excavation
security of data	Related term	data governance
security of data	Related term	IET standards
semantic Web	Related term	open data
shear modulus	Related term	rigidity
ships	Related term	marine robots
social networking (online)	Related term	multimedia Web sites
soil	Related term	excavation
standards	Related term	data governance
standards	Narrow term	IET standards
stress-strain relations	Related term	surface stress
supervised learning	Related term	naive Bayes methods
support vector machines	Related term	naive Bayes methods
surface chemistry	Related term	electrocatalysis

surface chemistry	Related term	electrocatalysts
surface phenomena	Narrow term	surface stress
system theory	Related term	systems of systems
system-on-chip	Related term	AI chips
systems engineering	Related term	systems of systems
text analysis	Related term	naive Bayes methods
tunnels	Related term	excavation
underwater vehicles	Related term	marine robots
video on demand	Related term	multimedia Web sites
video signal processing	Related term	fall detection
video streaming	Related term	multimedia Web sites
VLSI	Narrow term	neuromorphic engineering
waste	Narrow term	municipal solid waste
waste management	Related term	municipal solid waste
waste-to-energy power plants	Related term	municipal solid waste
wearable computers	Related term	fall detection
Web sites	Narrow term	multimedia Web sites
wiring	Related term	IET standards
zeolites	Related term	electrocatalysts

List of D codes linked to existing Classification Codes Post-2019 Practice

D Code and Text	Post 2019 Code and Text
D1000 General & Management aspects of Information Technology	C7000 Computer applications
D1000 General & Management aspects of Information Technology	E0400 Information technology
D1010 IT consultancy services	C0310B Computer facilities
D1010 IT consultancy services	E0120 Management issues
D1010 IT consultancy services	E0400 Information technology
D1030 IT training requirements	B0120 Education and training
D1030 IT training requirements	C0220 Computing education and training
D1030 IT training requirements	E0250 Education and training
D1030 IT training requirements	E0400 Information technology
D1040 Human aspects of IT	C0240 Ergonomic aspects of computing
D1040 Human aspects of IT	C0310P Computing/DP personnel management
D1040 Human aspects of IT	E0240H Health and safety aspects
D1040 Human aspects of IT	E0400 Information technology
D1040 Human aspects of IT	E1410 Ergonomics
D1050 Legal requirements of IT	C0230B Legal aspects of computing
D1050 Legal requirements of IT	E0270 Legal aspects
D1050 Legal requirements of IT	E0400 Information technology
D1060 Security aspects of IT	C0310S Computing security management

D1060 Security aspects of IT	C6130S Data security
D1060 Security aspects of IT	E0240C Security aspects
D1060 Security aspects of IT	E0400 Information technology
D1070 Environmental aspects of IT	C0250 Environmental aspects of computing
D1070 Environmental aspects of IT	E0230 Environmental issues
D1070 Environmental aspects of IT	E0400 Information technology
D2000 Applications of Information Technology	C7000 Computer applications
D2000 Applications of Information Technology	E0410 Information technology applications
D2010 Business and professional IT applications	C7100 Business and administrative computing
D2010 Business and professional IT applications	E0410F Business applications of IT
D2020 Design and graphics IT applications	C6130B Graphics techniques
D2020 Design and graphics IT applications	C7400 Engineering computing
D2020 Design and graphics IT applications	E0410 Information technology applications
D2020 Design and graphics IT applications	E1410 Ergonomics
D2030 Education and training IT applications	C7110 Educational administration
D2030 Education and training IT applications	C7260 Information science education
D2030 Education and training IT applications	C7810C Computer-aided instruction
D2040 Emergency services IT applications	C7135 Emergency management
D2045 Farming and horticultural IT applications	C7860 Agriculture, forestry and fisheries computing
D2045 Farming and horticultural IT applications	E0410 Information technology applications
D2045 Farming and horticultural IT applications	E3010 Agriculture
D2050 Financial applications of IT	C7120 Financial computing
D2050 Financial applications of IT	E0120K Financial management
D2050 Financial applications of IT	E0410F Business applications of IT
D2050B IT in accounting	C7120 Financial computing
D2050B IT in accounting	E0120K Financial management
D2050B IT in accounting	E0410F Business applications of IT
D2050E IT in banking	C7120 Financial computing
D2050E IT in banking	E0120K Financial management
D2050E IT in banking	E0410F Business applications of IT
D2050F IT in financial markets	C7120 Financial computing
D2050F IT in financial markets	E0120K Financial management
D2050F IT in financial markets	E0410F Business applications of IT
D2050G IT in insurance	C7120 Financial computing
D2050G IT in insurance	E0120K Financial management
D2050G IT in insurance	E0410F Business applications of IT
D2060 Health care applications of IT	C7140 Medical administration

D2060 Health care applications of IT	C7330 Biology and medical computing
D2070 Industrial and manufacturing applications of IT	C7160 Manufacturing and industrial administration
D2070 Industrial and manufacturing applications of IT	C7480 Production engineering computing
D2070 Industrial and manufacturing applications of IT	E0410D Industrial applications of IT
D2070 Industrial and manufacturing applications of IT	E3000 Industrial sectors
D2080 Information services and database systems in IT	C6130 Data handling techniques
D2080 Information services and database systems in IT	C6160 Database management systems (DBMS)
D2080 Information services and database systems in IT	C7210N Information networks
D2080 Information services and database systems in IT	C7250N Search engines
D2080 Information services and database systems in IT	E0430 Information resources and networks
D2090 Leisure industry, travel and transport applications of IT	C7185 Administration of other service industries
D2090 Leisure industry, travel and transport applications of IT	E0410F Business applications of IT
D2090 Leisure industry, travel and transport applications of IT	E3050 Service industries
D2105 Media-TV, radio, press applications of IT	C7185 Administration of other service industries
D2105 Media-TV, radio, press applications of IT	C7230 Publishing and reproduction
D2105 Media-TV, radio, press applications of IT	C7820 Humanities computing
D2110 Personnel applications of IT	C7100 Business and administrative computing
D2110 Personnel applications of IT	E0410F Business applications of IT
D2115 Property market and building industry applications of IT	C7120 Financial computing
D2115 Property market and building industry applications of IT	C7440 Civil and mechanical engineering computing
D2115 Property market and building industry applications of IT	E0410Y Other engineering applications of IT
D2115 Property market and building industry applications of IT	E3030 Construction industry
D2120 Public administration and law applications of IT	C7130 Public administration
D2120 Public administration and law applications of IT	E0410F Business applications of IT
D2130 Public utilities' applications of IT	C7165 Public utility administration
D2130 Public utilities' applications of IT	E0410F Business applications of IT
D2130 Public utilities' applications of IT	E3040 Public utilities

D2140 Marketing, retailing and distribution applications of IT	C7170 Marketing computing
D2140 Marketing, retailing and distribution applications of IT	C7180 Retailing and distribution computing
D2140 Marketing, retailing and distribution applications of IT	E0410F Business applications of IT
D2140 Marketing, retailing and distribution applications of IT	E1830 Goods distribution
D3000 General Information Technology systems and equipment	C7000 Computer applications
D3000 General Information Technology systems and equipment	E0400 Information technology
D3010 Copiers and copy boards for business automation	C5550 Printers, plotters and other hard-copy output devices
D3010 Copiers and copy boards for business automation	C7230 Publishing and reproduction
D3010 Copiers and copy boards for business automation	E0410F Business applications of IT
D3010 Copiers and copy boards for business automation	E3644E Computer and peripheral industry
D3020 Furniture and office environment for business automation	A8670H Indoor environment
D3020 Furniture and office environment for business automation	C0240 Ergonomic aspects of computing
D3020 Furniture and office environment for business automation	C0310B Computer facilities
D3020 Furniture and office environment for business automation	C0310D Computer installation management
D3020 Furniture and office environment for business automation	C7100 Business and administrative computing
D3020 Furniture and office environment for business automation	E3616 Furniture industry
D3025 Mailroom systems for business automation	C7104 Office automation
D3025 Mailroom systems for business automation	E0410F Business applications of IT
D3030 Microform equipment for business automation	C5580 Computer output on microform (COM)
D3030 Microform equipment for business automation	C7230 Publishing and reproduction
D3030 Microform equipment for business automation	C7250 Information storage and retrieval
D3030 Microform equipment for business automation	E0420 Information management
D3030 Microform equipment for business automation	E3622 Printing industry
D3035 Monitoring and alarm systems for business automation	B0160 Plant engineering, maintenance and safety
D3035 Monitoring and alarm systems for business automation	C0310 Computing/EDP management

D3035 Monitoring and alarm systems for business automation	E0240C Security aspects
D3045 Records management systems for business automation	C6130D Document processing techniques
D3045 Records management systems for business automation	C6160 Database management systems (DBMS)
D3045 Records management systems for business automation	C7104 Office automation
D3045 Records management systems for business automation	E0410F Business applications of IT
D3045 Records management systems for business automation	E0420 Information management
D3050 Video systems for business automation	B6135 Optical, image and video signal processing
D3050 Video systems for business automation	B6210R Multimedia communications
D3050 Video systems for business automation	B6430 Television and video equipment, systems and applications
D3050 Video systems for business automation	C5260D Video signal processing
D3050 Video systems for business automation	C6130M Multimedia
D3050 Video systems for business automation	C7100 Business and administrative computing
D3050 Video systems for business automation	E3644E Computer and peripheral industry
D3060 Voice equipment, dictation for business automation	B6130 Speech and audio signal processing
D3060 Voice equipment, dictation for business automation	C5260S Speech processing techniques
D3060 Voice equipment, dictation for business automation	C5585 Speech recognition and synthesis equipment
D3060 Voice equipment, dictation for business automation	C7100 Business and administrative computing
D3060 Voice equipment, dictation for business automation	E0410F Business applications of IT
D4000 Office automation - communications	B6200 Telecommunication
D4000 Office automation - communications	C7104 Office automation
D4000 Office automation - communications	E0410 Information technology applications
D4010 Television systems for office automation	B6400 Radio, television and audio
D4010 Television systems for office automation	C7104 Office automation
D4010 Television systems for office automation	E3644H Audio and video equipment manufacturing
D4020 Electronic mail systems for office automation	B6210G Electronic mail
D4020 Electronic mail systems for office automation	C7104 Office automation

D4020 Electronic mail systems for office automation	E0410 Information technology applications
D4040 Facsimile systems for office automation	B6210H Facsimile transmission
D4040 Facsimile systems for office automation	C5690 Other data communication equipment and techniques
D4040 Facsimile systems for office automation	C7104 Office automation
D4040 Facsimile systems for office automation	E3644L Communications equipment manufacturing
D4045 Mobile communications systems for office automation	B6250F Mobile radio systems
D4045 Mobile communications systems for office automation	C7104 Office automation
D4060 Teleconferencing systems for office automation	B6210P Teleconferencing
D4060 Teleconferencing systems for office automation	C7104 Office automation
D4060 Teleconferencing systems for office automation	C7410F Communications computing
D4060 Teleconferencing systems for office automation	E3644L Communications equipment manufacturing
D4070 Telephone systems for office automation	B6210D Telephony
D4070 Telephone systems for office automation	C7104 Office automation
D4070 Telephone systems for office automation	E3644L Communications equipment manufacturing
D4080 Telex for office automation	B6210F Telegraphy
D4080 Telex for office automation	C7104 Office automation
D4080 Telex for office automation	E3644L Communications equipment manufacturing
D4090 Viewdata and teletext for office automation	B6210K Viewdata and teletext
D4090 Viewdata and teletext for office automation	C7104 Office automation
D4090 Viewdata and teletext for office automation	C7210 Information services and centres
D4090 Viewdata and teletext for office automation	E0430 Information resources and networks
D5000 Office automation - computing	C0200 General computer topics
D5000 Office automation - computing	C0310 Computing/EDP management
D5000 Office automation - computing	C7100 Business and administrative computing
D5000 Office automation - computing	C7104 Office automation
D5000 Office automation - computing	E3644E Computer and peripheral industry
D5010 Computers and work stations for office automation	C0310H Computer equipment and software evaluation methods
D5010 Computers and work stations for office automation	C5400 Analogue and digital computers and systems

D5010 Computers and work stations for office automation	C5540 Terminals and graphic displays
D5010 Computers and work stations for office automation	C7100 Business and administrative computing
D5010 Computers and work stations for office automation	C7104 Office automation
D5010B Portable computers for office automation	C5430 Microcomputers
D5010B Portable computers for office automation	C5620 Computer networks and techniques
D5010B Portable computers for office automation	C7100 Business and administrative computing
D5010B Portable computers for office automation	C7104 Office automation
D5010D Computer selection guides for office automation	C0310H Computer equipment and software evaluation methods
D5010D Computer selection guides for office automation	C5400 Analogue and digital computers and systems
D5010D Computer selection guides for office automation	C7100 Business and administrative computing
D5010D Computer selection guides for office automation	C7104 Office automation
D5010G Terminals for office automation	C5540 Terminals and graphic displays
D5010G Terminals for office automation	C7100 Business and administrative computing
D5010G Terminals for office automation	C7104 Office automation
D5020 Computer networks and intercomputer communications in office automation	B6210L Computer communications
D5020 Computer networks and intercomputer communications in office automation	C5620 Computer networks and techniques
D5020 Computer networks and intercomputer communications in office automation	C7100 Business and administrative computing
D5020 Computer networks and intercomputer communications in office automation	C7104 Office automation
D5030 Printers and other peripherals for office automation	C5500 Computer peripheral equipment
D5030 Printers and other peripherals for office automation	C5550 Printers, plotters and other hard-copy output devices
D5030 Printers and other peripherals for office automation	C7100 Business and administrative computing
D5030 Printers and other peripherals for office automation	C7104 Office automation
D5040 Supplies, stationery and storage media for office automation	C0310D Computer installation management
D5040 Supplies, stationery and storage media for office automation	C5500 Computer peripheral equipment

D5040 Supplies, stationery and storage media for office automation	C7100 Business and administrative computing
D5040 Supplies, stationery and storage media for office automation	C7104 Office automation
D5040 Supplies, stationery and storage media for office automation	E0420 Information management
D5050 Word processing equipment for office automation	C5400 Analogue and digital computers and systems
D5050 Word processing equipment for office automation	C6130D Document processing techniques
D5050 Word processing equipment for office automation	C7100 Business and administrative computing
D5050 Word processing equipment for office automation	C7106 Word processing
D5060 Software for office automation	C0310 Computing/EDP management
D5060 Software for office automation	C6100 Software techniques and systems
D5060 Software for office automation	C7100 Business and administrative computing
D5060 Software for office automation	C7104 Office automation

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