

Inspec Thesaurus: New Terms for 2017

affective computing

UF emotion simulation (artificial intelligence)
BT artificial intelligence
human computer interaction
RT cognition
cognitive systems
emotion recognition
face recognition
gesture recognition
human factors
human-robot interaction
humanoid robots
psychology
speech recognition
user interfaces
CC C0240; C6170; C6180
DI January 2017
PT human computer interaction

automotive electric vehicles

BT electric vehicles
RT battery powered vehicles
electric propulsion
electric vehicle charging
fuel cell vehicles
hybrid electric vehicles
road vehicles
vehicle-to-grid
CC B8520B
DI January 2017

crowdsourcing

BT outsourcing
RT cost reduction
groupware
innovation management
Internet
mobile computing
product development
social networking (online)
DI January 2017

crystal growth from solid

BT crystal growth
RT solid phase epitaxial growth
PT crystal growth
CC A6150C; A8110J
B0510
DI January 2017

electric vehicle charging

UF battery charging
RT aircraft power systems
automotive electric vehicles
automotive electronics
automotive electronics
battery charge measurement
battery chargers
battery management systems
battery powered vehicles
electric vehicles
hybrid electric vehicles
secondary cells
solar powered vehicles
vehicle-to-grid
CC B8520; B8520B
DI January 2017

exhaust gases

BT gases
RT air pollution
air pollution control
ash
combustion
diesel engines
exhaust systems
flue gases
gas mixtures
incineration
internal combustion engines
jet engines
CC A8670G; A8675; B7720; E0230; E2320
DI January 2017
PT exhaust systems

hardware-in-the loop simulation

UF HIL simulation
BT simulation
RT aerospace control
control engineering computing
control system synthesis
embedded systems
power system control
testing
vehicle dynamics
CC C7400; C7420; C3300
DI January 2017
PT simulation

Inspec Thesaurus: New Terms for 2017

image annotation

UF video annotation
BT image processing
RT feature extraction
image classification
image retrieval
learning (artificial intelligence)
meta data
video signal processing
CC B6135E
C5260B; C5260D; C6170K; C7250R
DI January 2017
PT image processing

junctionless nanowire transistors

BT MOSFET
nanoelectronics
RT heavily doped semiconductors
nanowires
semiconductor quantum wires
silicon-on-insulator
CC B2560R
DI January 2017

Linked Data

BT Internet
RT Big Data
database management systems
knowledge based systems
knowledge representation
meta data
NoSQL databases
ontologies (artificial intelligence)
query processing
semantic networks
semantic Web
CC C6160; C6170K; C7210N; C6130; C7250R
DI January 2017

machine-to-machine communication

UF M2M communication
BT telecommunication
RT computer networks
Internet of Things
IP networks
mobile radio
wireless sensor networks
CC B6210L; B6250; C5620
D5020
DI January 2017

magnetic gears

BT gears
magnetic devices
RT electromagnetic devices
magnetic bearings
permanent magnets
power transmission (mechanical)
variable speed gear
CC B3120W
E2200; E2330
DI January 2017
PT gears
magnetic devices

Microsoft Windows (operating systems)

UF Windows (operating system)
BT operating systems (computers)
CC C6150J
DI January 2017
PT operating systems (computers)

mode-division multiplexing

BT multiplexing
RT optical fibre communication
CC B6260M; B6230
DI January 2017
PT multiplexing

nanogenerators

BT energy harvesting
RT electric generators
electrostatic generators
low-power electronics
micromechanical devices
nanoelectromechanical devices
piezoelectric devices
pyroelectric devices
small electric machines
triboelectricity
vibrations
CC A8630T
B8340; B8450
DI January 2017

Inspec Thesaurus: New Terms for 2017

NoSQL databases

UF nonrelational databases
BT database management systems
RT Big Data
data structures
data warehouses
database indexing
distributed databases
Linked Data
query languages
query processing
semantic networks
very large databases
CC C6160; C4250
DI January 2017
PT database management systems

solar sails

BT aerospace propulsion
RT aerospace control
deployable structures
flexible structures
radiation pressure
solar power
space vehicles
vehicle dynamics
CC B7690
C3360L
E2220
DI January 2017
PT aerospace propulsion
space vehicles

topological lattices

NT topological insulators
topological superconductors
RT quantum Hall effect
spin Hall effect
spin-orbit interactions
surface conductivity
surface states
CC A7320; A7325; A7360
DI January 2017

topological superconductors

BT topological lattices
RT quantum Hall effect
spin Hall effect
spin-orbit interactions
superconductivity
surface conductivity
surface states
topological insulators
CC A7320; A7325; A7360; A7400
DI January 2017

vehicle-to-grid

BT smart power grids
RT automotive electric vehicles
battery powered vehicles
battery storage plants
demand side management
distributed power generation
electric vehicle charging
fuel cell vehicles
hybrid electric vehicles
load shedding
solar powered vehicles
CC B8110; B8120K; B8260; B8520
DI January 2017
PT electric vehicles
smart power grids

voice activity detection

UF VAD (speech processing)
speech activity detection
speech detection
BT speech processing
RT speech
speech coding
speech recognition
speech synthesis
CC A4370
B6130
C1250C; C5260S; C5585; C6180N
D3060
DI January 2017
PT speech processing

voltage-source converters

UF modular multi-level converters
voltage-source converters
BT power converters
RT HVDC power converters
PWM power converters
power electronics
CC B1210; B8360
DI January 2017
PT power converters