



ELSEVIER

# Engineering Village

## Engineering & Production

- Adaptive transmission
- Condition-based maintenance
- Corrective maintenance
- Deep penetration
- Defect engineering
- Economic efficiency
- Electric aircraft
- Electrorefining
- Failure rate
- Fall detection
- Fatigue load
- High-cycle fatigue
- Hybrid composites
- Hybrid electric aircraft
- Hypereutectic alloys
- Inverted pendulum
- Keyhole welding
- Landsat
- Low-cycle fatigue
- Market Research
- Mean time between failures
- Mechanical efficiency
- Natural fractures
- Particle dynamics
- Plastics engineering
- Pozzolan materials
- Production efficiency
- Rotation rate
- Rovers
- Scheduled maintenance
- SWAT
- Vehicle safety
- Wear debris
- Workflow management
- Working pressure

## Computer Science & Robotics

- Access control models
- Android malware
- Assistive technology
- Authorization
- Belief propagation
- Cloud analytics
- Cloud computing architecture
- Cloud security
- Cloud storage
- Collaborative robots
- Computation offloading
- Computing power
- Constraint handling
- Constraint programming
- Cyber attacks
- Cybersecurity
- Data obfuscation
- Dead zones
- Delay-sensitive applications
- Distributed cloud
- Distributed ledger
- Domain Knowledge
- Elman neural networks
- Emotion recognition
- Ethical technology
- Fake Detection
- Fuzzy Cognitive Maps
- Game design
- Generative adversarial networks
- Goal programming
- Graph embeddings
- Graph neural networks
- Image correlation
- Image Representation
- Knowledge graph
- Knowledge organization
- Knowledge organization system (KOS)
- Local binary pattern
- Machine perception
- Machine translation
- MapReduce
- Mobile edge computing
- Network embeddings
- Neural machine translation
- Neural network models
- Open loop control
- Privacy-preserving techniques
- Python
- Resource Description Framework (RDF)
- Robot Operating System
- Robot vision
- Semantic Segmentation
- Sensitive data
- Simple knowledge organization system (SKOS)
- Simulink
- Slave robots
- Smart contract
- Social psychology
- Social software
- Storage efficiency
- Tactile sensors
- Zero-day attack

## Biotechnology, Bioengineering & Health

- Artificial cells
- Assistive technology
- Cancer cells
- Coronavirus
- COVID-19
- Creatinine
- Dynamic contrast-enhanced MRI
- Electrocardiograms
- Electrochemical biosensors
- Gene Ontology
- Hantavirus
- MERS
- Mycelium
- Mycotoxins
- Nanogels
- Phylogenetic
- Radiation efficiency
- SARS
- Superoxide dismutase

## Power & Energy

- Boost converter
- Buck converter
- Buck-Boost converter
- Coal-fired power plant
- Concentrated solar power
- Crystalline silicon cells
- Cuk converter
- Distributed Wind
- Electric motorcycles
- Electrical efficiency
- Flux linkage
- Horizontal axis wind turbine
- Hydro energy
- Induction machine
- Inductive energy storage
- Network topology
- Passive solar
- Solar cell efficiency
- Solar energy conversion
- Solar fuels
- Solar panels
- Solar thermal energy
- Tidal stream
- Vertical axis wind turbine
- Wind farm
- Wind speed
- Wind turbine blades
- Wind Turbine Generators
- Windmill

## Applied Physics

- Absorbance
- Absorption efficiency
- Acoustic Modeling
- Active Galactic Nuclei
- Annihilation
- Band diagram
- Black holes
- Calcium hypochlorite
- Calcium sulfate
- Char-formation
- Chemosensor
- Coarse-grained modeling
- Comets
- Defect engineering
- Defect states
- Dielectric barrier discharge
- Dip coating
- Dissipative particle dynamics
- Dolomite
- Epoxy composites
- Film cooling
- Fluid inclusion
- Flux linkage
- Gas temperature
- Glass substrates
- Heating temperature
- Incident light
- Junction temperature
- Lignocellulose
- Metal substrates
- Microfluidic chips
- Microphone array
- Microresonators
- Microwave photonics
- Molybdenum disulfide
- Mycelium
- Nanogels
- Optical Laser
- Organocatalyst
- Organosilicon
- Passive cooling
- Peak-to-average power ratio
- Plagioclase
- Polariton
- Polymeric materials
- Polyvinyl butyral
- Pore fluids
- Psychoacoustic
- Pyrolytic graphite
- RGB color model
- Room temperature
- Soil temperature
- Solar light
- Spectrum efficiency
- Stripping voltammetry
- Surface temperature
- Sustainable chemistry
- Synthetic polymers
- Thermal efficiency
- Water temperature
- X-ray astronomy

## Communications

- Empirical mode decomposition
- Internet of Energy
- Internet of Everything
- Intrinsic mode functions
- Mode decomposition
- Multiple signal classification
- Privacy-preserving techniques
- Radiation efficiency
- Telematics
- Underwater acoustic communication
- Underwater optical wireless communication
- Universal Mobile Telecommunications System
- Variational mode decomposition
- Vehicle to Everything

## Misc & Mathematics

- Biomaging
- Chaos control
- Chebyshev polynomials
- Computational Imaging
- Computational Photography
- Contourlet transform
- Decentralized systems
- Earth system science
- Haze pollution
- Hilbert-Huang transform
- Infrared reflection
- Invasive weed optimization
- Kriging
- Linear time-invariant system
- Matrix factorization
- Microresonators
- Multiple linear regression
- Music
- Non-negative matrix factorization
- Optical remote sensing
- Optimal detection
- Quantum chaos
- Radioecology
- Second-order cone programming
- Social behavior
- Stress tensor
- Systems thinking
- Time-resolved spectroscopy
- Transient absorption spectroscopy
- Tropical cyclone
- Undirected graphs
- Vegetation mapping

