ICMST

The International Conferences on Military Science & Technology (ICMST) covers upcoming conferences, seminars, workshops and exhibitions on all topics of Defence R&D like Aeronautics, Armaments, Combat Vehicles, Computer Science, Electronics, Life Sciences, Management, Materials Science, Military Science, Missiles, Naval Science and other topics related to DRDO are covered. The service also provide information on S&T Awards and Fellowships.

The information is collected, collated and compiled from open sources subscribed by DESIDOC and also from Internet. Only limited events have been covered to remain this document relevant to our objective. We hope that this document will be useful to DRDO scientific community. The limited topics are covered under each conference due to space constraints.
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- IEEE Industrial Electronics and Applications Conference 2017
- International Conference on Electrical and Electronic Engineering (IC3E 2017)
- 3rd International Conference on Electrical Electronics and Industrial Automation
- 3rd International Conference on Electrical Electronics and Industrial Automation

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- First International Conference on Biometrics Science and Engineering (ICBSE 2017)
- 17th International Conference on Innovative Trends in Engineering, Life Science and Business Publication SCOPUS
- 4th International Conference on Advances in Biology and Chemistry (ICABC 2017)
- 5th International Conference on Biological and Medical Sciences (ICBMS 2017)
- 2nd International Conference on Nucleic Acids, Molecular Biology and Biologics
- International Conference on MEMS, Nanotechnology and Precision Engineering (ICMNPE 2017)

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*International Conferences on Military S&T*
Avionics

1. International Workshop on Metrology for AeroSpace (IEEE 2017)

Dates: 21-23 June 2017
Place: Padua, Lithuania

Selective Topics:
- Electronic instrumentation for aerospace
- Automatic test equipment for aerospace
- Sensors and sensor system for aerospace applications
- Wireless sensor networks in aerospace
- Monitoring systems in aerospace
- Metrology for navigation and precise positioning
- Sensors and data fusion techniques for avionics and air traffic management
- Flight testing instrumentation and flight test techniques

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Aerospace Engineering

2. International Conference on Mechanical and Aerospace Engineering (ICMAE)

Date: 10-11 June 2017
Place: Kota Kinabalu, Malaysia

Selective Topics
- Acoustics and noise control
- Advanced energy sources
- Advanced heat pipe technologies
- Advanced in-space propulsion & power concepts
- Advanced thermal control technologies
- Advances in space propulsion
- Aerodynamics
- Applied mechanics
- Automation, mechatronics and robotics
- Automobiles
- Automotive engineering
- Ballistics
- Biomechanics
- Biomedical engineering
- CAD/CAM/CIM/CFD
- Engineering materials
- Fatigue and fracture
- Heat and mass transfer
- HVAC
- High capacity heat rejection systems
- High frequency gravity wave detection
- High frequency gravity wave generators
- Industrial and systems engineering
- Industrial, mechanical, systems science and engineering
AERONAUTICS

- Industrial engineering
- Instrumentation and control
- Internal combustion engines
- Machinery and machine design
- Manufacturing and production processes
- Manufacturing engineering
- Manufacturing systems engineering
- Marine system design
- Material engineering
- Material science and processing
- Mechanical design
- Mechanical power engineering
- Mechatronics
- Mems and nano technology
- Multibody dynamics
- Medical astrosociology
- Microgravity thermophysics
- New directions in astrophysics/particle physics
- New directions in communications
- Nanomaterial engineering
- New and renewable energy
- Noise and vibration
- Noise control
- Non-destructive evaluation
- Nonlinear dynamics
- Oil and gas exploration
- Operations management
- PC guided design, manufacture
- Plasticity mechanics
- Pollution and environmental engineering
- Precision mechanics, mechatronics
- Production technology
- Planetary defense and societal protection
- Propulsion analysis
- Quality assurance and environment protection
- Resistance and propulsion
- Robotic automation and control
- Solid mechanics
- Structural dynamics
- Space societies/ the settlement of space environments
- Thermal control
- Thermal control for lunar and deep missions
- Two phase thermal control systems
- Unconventional physical principles and gravitational models
- Vibrations

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Conference2017/Malaysia/5/ICMAE/

3. 204th International Conference on Mechanical and Aerospace Engineering (ICMAE)
Date: 29-30 June 2017
Place: Mexico City, Mexico
Selective Topics:
AERONAUTICS

- Acoustics and noise control
- Advanced energy sources
- Advanced heat pipe technologies
- Advanced in-space propulsion & power concepts
- Advanced thermal control technologies
- Advances in space propulsion
- Aerodynamics
- Applied mechanics
- Automation, mechatronics and robotics
- Automobiles
- Automotive engineering
- Ballistics
- Biomechanics
- Biomedical engineering
- CAD/CAM/CIM/CFD
- Composite and smart materials
- Far term space transport and environment models & theories
- Fluid dynamics
- Fluid mechanics and machinery
- Fracture
- Fuels and combustion
- General mechanics
- Geomechanics
- Health and safety
- Heat and mass transfer
- HVAC
- High capacity heat rejection systems
- High frequency gravity wave detection
- High frequency gravity wave generators
- Industrial and systems engineering
- Industrial, mechanical, systems science and engineering
- Industrial engineering
- Instrumentation and control
- Internal combustion engines
- Innovative techniques in fusion energy
- Marine system design
- Material engineering
- Material science and processing
- Mechanical design
- Mechanical power engineering
- Mechatronics
- Mems and nano technology
- Multibody dynamics
- Medical astrosociology
- Microgravity thermophysics
- New directions in astrophysics/particle physics
- engineering
- Precision mechanics, mechatronics
- Production technology
- Planetary defense and societal protection
- Propulsion analysis
- Quality assurance and environment protection
- Resistance and propulsion
- Robotic automation and control
- Solid mechanics
AERONAUTICS

- Structural dynamics
- System dynamics and simulation
- Sensors
- Smart materials
- Space faring societies
- Space policy and space law in a social context
- Space science and technology roadmaps
- Space societies/ the settlement of space environments
- Textile and leather technology
- Transport phenomena
- Tribology
- Turbulence
- Theories, models and concepts
- Technology transfers and spinoffs
- The relationship between astrosociology and astrobiology
- Theories on high frequency gravity waves
- Thermal control
- Thermal control for lunar and deep missions
- Two phase thermal control systems
- Unconventional physical principles and gravitational models
- Vibrations

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Conference2017/Mexico/2/ICMAE/
Computer Communication and Networks

1. 2nd IEEE International Conference on Signal and Image Processing (ICSIP 2017)

Date: 4-6 August 2017
Place: Singapore

Selective Topics

• Signal processing
  • Biomedical engineering
  • Control algorithms
  • Embedded reconfigurable, evolvable systems
  • Image processing and pattern recognition
  • Information theory & coding
  • Mixed signal processing
  • Multidimensional signal processing
  • Radar signal and data processing
  • Soft computing techniques
  • Speech and video processing
  • VLSI architectures for high speed processing
• Communications
  • Antennas, propagation and transmission technologies
  • Avionics
  • Communication software techniques
  • Information theory & coding
  • Multimedia communications
  • Optical communications
  • RF and microwave communications

• Robust space and satellite communications
• Ultra-wideband communications
• Wireless communications and technologies
• Internet technologies
• Traffic modeling
• Protocols
• Embedded internet devices
• New and enhanced services
• Resource and information management
• Adaptive qos provisioning
• End-to-end qos
• Emerging technologies
• Information security
  • Security primitives and algorithms
  • Security of wireless and distribution networks
  • Programmable networks security
  • Authentication and authorization
  • Encryption
  • Data integrity
• Wireless networks
  • Mobile ad hoc networking
  • Personal area networking
  • Convergence of different network types
  • Broadband wireless access
  • Cross layer design
  • Mesh networks
  • Cooperative networks
COMPUTER SCIENCE

- Sensor networks
- Home networking
- Test-beds and new applications
- Multimedia signal processing
- Streamed multimedia applications
- Algorithms and implementations
- Image and video processing
- Error concealment techniques
- Management of multimedia services
- Test-beds and trials
- Multimedia games
- Networking
- Grid computing
- Mobile computing
- Mobile databases
- Multimedia and voip services & technologies
- Networking protocols, routing, algorithms
- Network security
- Optical networks
- Parallel and distributed architectures and algorithms
- Reliability and fault-tolerance
- Vlsi for network processing
- Wireless ad hoc, sensor and bluetooth networks
- Communication theory and techniques
- Channel measurements and modelling
- Coding and modulation techniques
- Mimo - theory and trials
- Spread spectrum and cdma systems
- Ofdm technology
- Space-time coding
- Diversity techniques
- Ultra wide-band communications
- Antennas and propagation
- Fixed networks
- Optical networks and switching
- Network architectures and equipment
- Programmable networks
- Test-beds and trials
- New and enhanced services
- Network gaming

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Computer Science and Engineering

2. 14th IEEE International Conference on Advanced and Trusted Computing
Date: 4-8 August 2017
Place: San Francisco, USA
Selective Topics
- High performance computing and networking

International Conferences on Military S&T
COMPUTER SCIENCE

- Service computing and engineering
- Cloud computing and fog computing
- Software defined networking and systems
- Green computing and communications
- Mobile and wearable computing
- Big data analytics and technologies
- Advanced cognitive computing and machine learning
- Advanced virtual/augmented reality
- Advanced affective computing and robotics
- Advanced MEMS/NEMS and their applications
- Trust specifications, models and standards
- Trust management in distributed systems
- Security and privacy in smart systems
- Cyber life, society and intelligence
- Cyber physical systems and their safety
- Cyber trust, security, privacy and ethics

3. 10th International Conference on Advanced Computer Theory and Engineering (ICACTE 2017)

Date: 10-13 August 2017
Place: Jeju Island

Selective Topics
- Korea South
- Algorithms
- Artificial intelligence
- Automated software engineering
- Bio-informatics
- Bioinformatics and scientific computing
- Biomedical engineering
- Compilers and interpreters
- Computational intelligence
- Computer animation
- Computer architecture & vlsi
- Computer architecture and embedded systems
- Computer based education
- Computer games
- Computer graphics & virtual reality
- Computer graphics and multimedia
- Computer modeling
- Computer networks
- Computer networks and data communication
- Computer security
- Computer simulation
- Computer vision
- Computer-aided design/manufacturing

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COMPUTER SCIENCE

- Computing ethics
- Computing practices & applications
- Control systems
- Data communications
- Data compression
- Data encryption
- Data mining
- Database systems
- Digital library
- Digital signal and image processing
- Digital system and logic design
- Distributed and parallel processing
- Natural language processing
- Neural networks
- Parallel and distributed computing
- Pattern recognition performance evaluation
- Programming languages
- Reconfigurable computing systems
- Robotics and automation
- Security & cryptography
- Software engineering & case
- System security
- Technology in education
- Technology management
- Theoretical computer science
- Ubiquitous computing
- Wireless sensor networks
- Wireless communication and mobile computing

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4. 5th European Conference on the Engineering of Computer Based Systems

Date: 31 August - 1 September 2017
Place: Larnaca, Cyprus
Selective Topics
- Agile and lean approaches and human aspects of software development
- Architectures
- Advanced modularity
- Cloud-based applications
- Co-design
- Component-based system design
- Cyber-physical systems
- Parallel & distributed systems
- Parallel programming methodologies and languages
- FPGA systems design
- Ecbs infrastructure (tools and environments)
- Education and training
- Embedded real-time software systems
- Integration engineering
- Lifecycle processes and process evolution
- Model-based system development
COMPUTER SCIENCE

- Modeling and analysis of complex systems
- Networked control systems
- Reengineering & reuse
- Reliability, safety, dependability, and security
- Software engineering
- System assessment, testing, and metrics
- Verification and validation

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Algorithms and Data Structures

Date: 10-13 August 2017
Place: Jeju Island, South Korea

Selective Topics
• Advanced computing architectures and new programming models
• Advanced numerical algorithms
• Applications of computation as a scientific paradigm
• Applications of computational science
• Complex systems: modeling and simulation
• Computational complexity, economics, geometry

Software Engineering

Date: 25-27 August 2017
COMPUTER SCIENCE

Place: Bangkok, Thailand

Selective Topics

- AI and knowledge based software engineering
- Object-oriented technology
- Artificial intelligence
- Parallel & distributed computing
- Aspect-orientation and feature interaction
- Patterns and frameworks
- Business process reengineering & science
- Process management & improvement
- Communication systems and networks
- Program comprehension and visualization
- Computer & software engineering
- Reengineering, reverse engineering
- Computer animation and design contents
- Reliability modeling and analysis
- Computer game development user modeling and management
- Requirements engineering
- Software policy and ethics
- Engineering of distributed/parallel sw systems
- Software process models
- Engineering of embedded and real-time software
- Formal methods and tools
- Software reuse and metrics
- Healthcare engineering
- Software testing and analysis
- Human-computer interaction
- Software tools and development environments
- Information management systems, mis
- Sw configuration management an deployment
- Information systems engineering
- Technology transfer
- Internet and information systems development
- Telecommunications
- Middleware design techniques
- Theory and formal methods
- Mobile/wireless computing
- Use cases and scenarios
- Modeling with uml
- Virtual reality and computer graphics
- Visual & multimedia computing
- Web engineering, web-based applications

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Date: 26-29 August 2017
Place: Hong Kong, China
COMPUTER SCIENCE

Selective Topics

• Intelligent control systems and optimization
• Genetic algorithms
• Fuzzy control
• Decision support systems
• Machine learning in control applications
• Knowledge-based systems applications
• Hybrid learning systems
• Distributed control systems
• Evolutionary computation and control
• Optimization algorithms
• Soft computing
• Software agents for intelligent control systems
• Neural networks based control systems
• Planning and scheduling
• Intelligent fault detection and diagnosis
• Engineering applications
• Robotics and automation
  • Image processing
  • Vision, recognition and reconstruction
  • Robot design, development and control
• Control and supervision systems
• Telerobotics and teleoperation
• Vehicle control applications
• Industrial networks and automation
• Human-robots interfaces
• Intelligent transportation technologies and systems
• Space and underwater robots
• Modelling, simulation and architecture
• Human-machine interfaces
• Collective and social robots
• Humanoid robots
• Cognitive approach for robotics
• Mobile robots and intelligent autonomous systems
• Mechatronics systems
• Virtual environment, virtual and augmented reality
• Signal processing, sensors, systems modelling and control
  • § Adaptive signal processing and control
  • § Environmental monitoring and control
• Optimization problems in signal processing
• Signal reconstruction
• Computer and microprocessor-based control
• Real-time systems control
• Information-based models for control
• Nonlinear signals and systems
• System identification
• Instrumentation networks and software
• Change detection problems
• Time-frequency analysis
• Mechanical, force and tactile sensors
COMPUTER SCIENCE

- Intelligent components for control
- System modelling
- Modelling, analysis and control of discrete-event systems
- Modelling, analysis and control of hybrid dynamical systems
- Engineering applications
- Industrial engineering, production and management
- Lean enterprise
- Supply chain and logistics engineering
- Virtual enterprises and interoperability
- Production planning, scheduling and control
- Computer-based manufacturing technologies
- Facilities planning and management
- Quality control and management
- Energy efficiency and green manufacturing
- Precision engineering
- Industrial automation and robotics
- Intelligent design and manufacturing
- Resources and knowledge management in industry
- Manufacturing systems engineering
- Systems modelling and simulation
- Performance evaluation and optimization
- Human factors & human-system interface
- Cost and value engineering
- Business process modelling

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**Applied Electronics**

1. **IEEE 11th International Symposium on Diagnostics for Electrical Machines, Power Electronics and Drives**
   - **Dates:** 29 August - 1 September 2017
   - **Place:** Tinos, Greece
   - **Selective Topics:**
     - Electrical Machines I: Induction Machines: Stator and Rotor Faults
     - Electrical Machines II: Permanent Magnet Machines
     - Power electronics
     - Adjustable speed drives
     - Tool for diagnostics I: Signal analysis based techniques
     - Tool for diagnostics II: Artificial Intelligence based techniques
     - Materials
     - Tests for Predictive Maintenance: Partial discharge analysis and tests, new instruments for diagnostics

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2. **IEEE Industrial Electronics and Applications Conference 2017**
   - **Dates:** 30 July - 2 August 2017
   - **Place:** Kuala Lumpur, Malaysia
   - **Selective Topics:**
     - Automation, mechatronics & robotics
     - Biomechanics & sports science
     - Communication engineering applications
     - Control in power electronics
     - Machines & drives
     - Power converting technologies
     - Photovoltaic system & applications
     - Power electronic applications
     - Power system applications
     - Renewable energy applications
     - Signal & image processing applications
     - Other relevant topics

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3. **International Conference on Electrical and Electronic Engineering (IC3E 2017)**
   - **Date:** 14-15 August 2017
   - **Place:** Johor Bahru, Malaysia
   - **Selective Topics**
     - Electronic engineering
     - Medical electronics
ELECTRONICS

- Microelectronics
- Nanotechnology
- Biomedical engineering
- Biomedical imaging
- Plasma processing technology
- Biosensors
- Cell engineering
- Telemedicine
- Thin films growth & epitaxy
- Biomedical modelling & simulation
- Nanostructured growth
- Application of electrochemical and electroless deposition
- Surface engineering
- Biomedical /bioactive surface and coatings
- Electrical power engineering
- Power quality
- Electric drives
- Power electronics
- Industrial power system
- High voltage engineering
- Power system protection

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Power Electronics and Applications

4. 3rd International Conference on Electrical Electronics and Industrial Automation

Date: 26-27 August 2017
Place: Montreal, Quebec, Canada
Selective Topics
- Electrical engineering
- Electronics engineering
- Industrial automation
- Digital image processing
- Electrical machines
- Electrical materials electromagnetics
- High voltage techniques microwave
- Power electronics and applications antennas
- Mechatronics communication theory and systems
- Control theory and applications optoelectronics
- Robotics and automation systems biomedical electronics
- Intelligent systems sensors
- Electronics instrumentation
- QoS provisioning and architectures
- Embedded system
- VLSI design and fabrication
- Photonic technologies
- Parallel and distributed computing
- Data mining
- Cryptography
- Telecommunication services and applications
- Innovative networking technologies
### ELECTRONICS

- Network security
- Network planning and design
- Artificial intelligence
- Bioinformatics
- Software technology in communication engineering
- Digital signal processing (DSP)
- Advanced adaptive signal processing
- Spectrum estimation & modeling
- TF spectrum analysis & wavelet
- Higher order spectral analysis
- Adaptive filtering & SP
- Array signal processing
- Hardware implementation for signal processing
- Speech and audio coding
- Speech synthesis & recognition
- Image processing & understanding
- PDE for image processing
- Video compression & streaming
- Computer vision & VR
- Software engineering
- Multimedia & human-computer interaction
- Statistic learning & pattern recognition
- AI & neural networks
- Communication signal processing
- SP for internet and wireless communications
- Biometrics & authentication
- SP for bio-medical & cognitive science
- SP for bio-informatics
- Signal processing for security
- Radar signal processing
- Sonar signal processing and localization
- SP for sensor networks
- Application & others
- Multimedia systems and applications
- Emerging technologies

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### 5. 3rd International Conference on Electrical Electronics and Industrial Automation

**Date:** 5-6 June 2017  
**Place:** Montreal, Quebec, Canada

**Selective Topics:**

- Digital image processing
- Electrical machines
- Electrical materials electromagnetics
- High voltage techniques microwave
- Power electronics and applications antennas
- Mechatronics communication theory and systems
ELECTRONICS

- Control theory and applications
- Optoelectronics
- Robotics and automation systems biomedical electronics
- Intelligent systems sensors
- Electronics instrumentation
- QOS provisioning and architectures
- Embedded system
- VLSI design and fabrication
- Photonic technologies
- Data mining
- Telecommunication services and applications
- Wireless networking
- Array signal processing
- Hardware implementation for signal processing
- Speech and audio coding
- Speech synthesis & recognition
- Image processing & understanding
- Pde for image processing
- Video compression & streaming
- Computer vision & vr
- SP for internet and wireless communications
- Biometrics & authentication
- SP for bio-medical & cognitive science
- SP for bio-informatics

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Biological and Medical Informatics

1. First International Conference on Biometrics Science and Engineering (ICBSE 2017)

Date: 4-6 August 2017
Place: Singapore

Selective Topics
- Biometric analysis of crime scene traces
- Biometric and forensic analysis of crime scene traces
- Biometric features degradation with decomposition
- Biometric modalities
- Biometric spoofing and liveness detection
- Biometric-based cybercrime investigation
- Biometrics on mobile and wearable devices
- Adversarial learning
- Algorithms for face data analysis (2d and 3d)
- Analysis of data streaming
- Analysis of posture and gait
- Audiovisual biometrics for multimedia forensics
- Collection and management of large scale databases
- Data and algorithm level integration
- Ear recognition
- Face recognition
- Embedded systems
- Evaluation and assessment strategies
- Fingerprint data collection and processing
- Forensic behavioural biometrics
- Image and video forgery detection
- Integration strategies
- Iris-based personal authentication
- Machine learning techniques in image forensics
- Mobile biometrics
- Privacy in biometrics
- Reproducible results in biometrics
- Security assessment for multi-biometrics systems
- Security of information in social media
- Signature recognition
- Source identification
- Speaker recognition
- Usability of biometric systems

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Recent Trends in Biological Sciences

2. 17th International Conference on Innovative Trends in Engineering, Life Science and Business Publication SCOPUS
LIFE SCIENCES

Date: 11-12 August 2017

Place: chennai, Tamilnadu, India

Selective Topics:

- Civil engineering
- Disaster mitigation and management
- Building technology
- Environmental studies
- Water resources
- Soil mechanics and foundation management
- Transportation engineering
- Ocean management
- Remote sensing
- Structural engineering
- Mechanical engineering
- Aerospace engineering
- Automobile engineering
- Manufacturing systems management
- Production technology
- Information engineering
- Computer science and engineering
- Computer technology
- Information science and technology
- Information technology
- Computing centre
- Electrical and communication engineering
- Electronics and communication engineering
- Electronics engineering
- Medical electronics
- Instrumentation engineering
- Electrical engineering
- Technology
- Bio technology,
- Ceramic technology,
- Chemical engineering,
- Leather technology,
- Rubber and plastic technology,
- Textile technology,
- Applied science and technology
- Science and humanities
- Chemistry
- English
- Physics
- Management
- Hospitality management
- General management
- Architecture
- Planning

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3. 4th International Conference on Advances in Biology and Chemistry (ICABC 2017)
LIFE SCIENCES

Date: 21-23 August 2017
Place: Singapore,

Selective Topics:
• Advancing the chemical and biological engineering fundamentals
• Thermodynamics
• (Bio) catalysis & reaction engineering
• Particulate systems
• Rheology multiphase flows
• Interfacial & colloidal phenomena
• Transport phenomena in porous/granular media
• Membranes and membrane science
• Crystallization
• Distillation, absorption and extraction
• Ionic liquids/electrolyte solutions
• Multi-scale and/or multi-disciplinary approach to process-product innovation
• Product design & innovation
• Nanomanufacturing
• Controlled release of the active ingredient
• Energy and environment;
• CFD & chemical engineering;
• Food engineering
• Sustainable process-product development through green chemistry;
• Process intensification
• Process integration
• Nanotechnology
• New materials & structured products
• Intelligent polymers
• Green organic synthesis routes
• Environmental engineering & management;
• Sustainable & clean technologies
• Systematic methods and tools for managing the complexity
• Multiscale modeling
• Process synthesis & design
• Process control & operations
• Systems biology
• Process analytical technology - pat
• Standards and interfaces
• Integration of life sciences & engineering
• Biochemical engineering
• Product engineering in the bio industries
• Delivery of the final product
• Biotechnology applied to production of new and better quality food
• Physical chemistry and thermodynamics for life sciences and biotechnology
• Improvement of environmental remediation processes
• The impact of bio-based polymeric materials

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Molecular Biology,
Proteomics and Genomics

4. 5th International Conference on Biological and Medical Sciences (ICBMS 2017)
Date: 23-25 August 2017
Place: Kitakyushu, Japan

Selective Topics

- Bioinformatics and computational biology
- Protein structure, function and sequence analysis
- Protein interactions, docking and function
- Computational proteomics
- DNA and rna structure, function and sequence analysis
- Gene regulation, expression, identification and network
- Structural, functional and comparative genomics
- Gene engineering and protein engineering
- Computational evolutionary biology
- Drug design and computer aided diagnosis
- Data acquisition, normalization, analysis and visualization
- Algorithms, models, software, and tools in bioinformatics
- Any novel approaches to bioinformatics problems
- Biomedical engineering
- Biomedical imaging, image processing & visualization
- Bioelectrical and neural engineering
- Biomechanics and bio-transport
- Methods and biology effects of nmr/ct/ecg technology
- Biomedical devices, sensors, and artificial organs
- Biochemical, cellular, molecular and tissue engineering
- Biomedical robotics and mechanics
- Rehabilitation engineering and clinical engineering
- Health monitoring systems and wearable system
- Bio-signal processing and analysis
- Biometric and bio-measurement
- Other topics related to biomedical engineering
- Biochemistry
- Biomathematics
- Bioengineering
- System biology
- Nanotechnology for medicine and the biosciences
- Nanofabrication and microengineering techniques
- Biomolecules, precision machining of biomaterials with lasers
LIFE SCIENCES

- Novel devices made to nano-metric tolerances
- Nano-sized particles for drug delivery systems
- Life processes in human beings
- Biological sciences
- Clinical applications
- Biochemistry and biophysics
- Cell & development biology
- Microbiology & immunology
- Environmental & molecular genetics
- Molecular biology
- Molecular life sciences
- Biochemical genetics
- Structural biology
- Evolution and mechanism of the immune response
- Protein structure and dynamics
- Cell, molecular, developmental, and plant biology
- Integrative, organismal and marine biology
- Ecology, evolution and population biology
- The application of physical and chemical principles
- Computational biology
- Quantitative relationship between molecular properties and higher-level cell and tissue properties
- Quantitative cell and organ biology
- Molecular basis of metastasis and cancer stem cells
- Gene regulatory networks

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5. 2nd International Conference on Nucleic Acids, Molecular Biology and Biologics
Date: 31 August-1 September 2017
Place: Philadelphia, Pennsylvania, USA

Selective topics
- Dna replication & recombination
- Enzymes in replication
- Mutations from replication
- Recombinational repair
- Meiotic recombination
- Recombinant dna technology
- Genetic engineering
- Molecular cloning
- Transgenic crops and animals
- Rna editing and interference
- Post transcriptional processing
- Rna editing mechanism
- Gene knockdown
- Epigenetics
- Epigenetics mechanisms
- Dna methylation and gene transcription
- Histone modification and regulation
- Rna processing and protein synthesis
LIFE SCIENCES

- Splicing pathways
- Alternative and aberrant splicing
- Biochemical mechanisms in splicing
- Process and enzymes in rna synthesis
- Transcription and processing
- Long non-coding mas and human disease
- Post translational modification
- Behave and misbehave of rna molecules
- Chemical biology
- Novel methods of delivery of nucleic acids
- Dna footprinting
- Gene knockdown
- Controlling cellular communication
- DNA damage and repair
- Endogenous and exogenous DNA damage
- DNA damage and repair in maintaining dna integrity
- DNA damage and repair towards mutation
- DNA damage and cancer risk
- DNA repair enzymes
- RNA and dna nanotechnology
- Approaches in rna nanotechnology
- Sequencing
- Nucleic acid sequencing
- DNA sequencing
- RNA sequencing
- Pyrosequencing
- Viral genome sequencing
- Gilbert-maxam sequencing
- Sanger sequencing
- Molecular therapeutics
- Nucleic acid therapeutics and drug discovery
- Recent developments
- Molecular biologics
- Biologics in treatment of diseases
- Biologics and drug discovery
- Biologics vs biosimilars
- Biologics and immune response
- Computational molecular biology
- Drug discovery
- Molecular modeling & simulations
- Computational genomics

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Nanobiotechnology

Date: 25-27 August 2017
Selective Topics

- Advanced nanomaterials
- Nanoparticles synthesis and applications
- Nanocomposites/ bionanocomposites materials
- ‘Nanofluids
- Mampstrictired / nanoporous materials and devices ‘
- Nanostructured coatings surfaces and membranes
- Carbon nanostructures and devices
- Graphene
- Polymer nanotechnology
- Soft nanotechnology and colloids
- Nanomaterials fabrication, characterization and tools
- Synthesis of nanomaterials
- Sustainable nanomanufacturing
- Nanoscale materials characterization
- Modeling and simulation at the nanoscale
- Nanoscale electronics
- Nano electronics and photonics
- Memory and logic devices, circuits and architecture for advancedcmos technologies
- Beyond and extended cmos devices
- Spin electronics
- Sensor based on emerging devices
- Quantum electronics
- Neuromorphic architectures
- Interconnecting nanoscale objects 3D approaches
- Nanotech for energy and environment
- Nanotech in life sciences and medicine
- Bionanomaterials and tissues engineering
- Biosensors, diagnostics and imaging
- Materials for drug and gene delivery;
- Biomarkers and nanoparticles
- Cancer diagnostics , imaging treatment ‘
- Drug deliver and therapeutics
- Cancer nanotechnology
- Nono robots
- DNA nanotechnology nanotoxicity
- Nanotechnology safety
- Nano toxicology
- Risk assessment and management
- Measurement of health risk
- Exposure scenarios
- Regulation and ethical impacts

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Management Science and Technology

1. International Conference on Innovation, Management and Industrial Engineering (IMIE 2017)

Date: 8-10 August 2017
Place: Osaka, Japan

Selective Topics
- Innovation
- Business model innovation
- Creativity in innovation
- Green and social innovation
- Industrial innovation
- Innovation design
- Innovation sciences
- Innovation management
- Innovative healthcare management
- Intellectual property and knowledge management
- It innovation
- Methods & measurement of innovation
- Open collaborative innovation
- Reverse innovation
- Service innovation
- Technological innovation
- Management
- Compensation management
- Customer relationship management
- Engineering project management
- Enterprise resource management
- Entrepreneurship
- Human resource management
- International marketing
- Leadership management
- Management education
- Management of technology
- Marketing management
- Nonprofit management
- Organizational development
- Project benefit management
- Project management
- Psychology of management
- Public management
- Quality management
- Industrial engineering
- Advanced product design and development
- Automation control
- Control engineering
- Decision analysis
- Decision analysis/decision theory
- Dynamical control systems
- Industrial design
- Ergonomics
- Human factors engineering
- Information processing and engineering
- Intelligent systems
- Manufacturing systems
- Multidisciplinary product development
- Operations research & optimization
- Optics & optoelectronics
MANAGEMENT

• Pattern analysis
• Plant engineering
• Plant layout and facility planning
• Production planning and control
• Production systems
• Productivity and benchmarking
• Quality control
• Reliability and maintenance engineering
• Systems modelling and simulation

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2. 9th International Conference on Innovative Trends in Science, Engineering and Management 2017 (ICITSEM 2017)

Date: 25-26 August 2017
Place: Bangkok, Thailand

Selective Topics
• Civil engineering
  • Modern trends in civil engineering
  • Building energy conservation and green architecture
  • Bridge and tunnel engineering
  • High-rise structure and large-span structure
  • Municipal engineering
  • Town planning
  • Water resource engineering
  • Transportation engineering
• Geotechnical engineering
• Mechanical engineering
• Design and manufacturing engineering
• Mechatronics and automation
• Industrial and systems engineering
• Textile and leather technology
• Automobile engineering
• Production technology
• Electrical engineering
• Electric drives and control
• Renewable power generation and its efficient utilization
• Electricity market in smart grid
• Power system engineering & its applications
• Instrumentation engineering
• ICT
  • Communication networks and security
  • Software engineering
  • Signal processing
  • Network management
  • Information theory
  • Machine learning
  • Next generation networks
• Management
  • Financial management
  • Marketing management
  • Financial and management accounting
  • Business statistics
  • Business communication
  • Enterprise resource planning
  • Basic science
MANAGEMENT

- Crystal growth of advanced materials
- Advanced numerical algorithms
- Computational Physics & Biology
- Quantum computation
- Cryptography
- Computer Science and Applications
  - Natural Language Processing
  - Theoretical computer science and algebra
  - Computational complexity, economics, geometry
  - Artificial Intelligence
- LifeScience Engineering
  - Bio-medical engineering
  - Bio-Nanotechnology
- Robotics and rehabilitation
- Medical imaging
- Advancements in medical technology
- Bio-engineering

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Date: 11-14 August 2017
Place: Prague, Czech Republic
Selective Topics
- Economy
- Economic growth
- Economic strategy
- International business
- Law and business
- Macroeconomics
- Microeconomics
- Managerial economics
- Economic of transport and telecommunications
- Economic of web portals
- Management
- Management consulting
- Management education, training and development
- Natural sciences and business
- Organizational behavior
- Research methods
- Social sciences and business
- Technology and innovation management
- Risk management
- Critical management
- Management of transport and telecommunications
- Marketing
- Marketing strategy
- Marketing company

Business Management

4. 8th International Conference on Construction and Project Management (ICCPM 2017)

Date: 17-19 August 2017
Place: Sapporo, Japan

Selective Topics
- Project management
- Project delivery systems
- Legal systems for construction
- Cost, time, quality, and safety management
- Design and engineering management
- Claim and dispute resolution
- Information technology in construction
- Automation and robotics in construction
- Construction productivity improvement
- Construction education and training
- International and global issues in construction project management
- State-of-the-art in construction engineering and management
- Sustainability and the environment
- Building information model

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5. International Conference on Sustainable Tourism Management (ICSTM 2017)

Date: 22-24 August 2017
Place: Barcelona, Spain

Selective topics
- Tourism strategies
- Environmental issues
- Community issues
- Climate change
- Safety and security
- Tourism as a tool of development
- Art, architecture and culture
- Heritage tourism
- Wildlife and adventure tourism
- Health and wellbeing tourism
- Medical tourism
- Marine & coastal areas tourism
- Sport tourism
- City tourism
- Tourism impact
- Tourism and protected area
- Ecotourism
- Rural tourism
- Tourism and technology
- Industrial tourism
- Transport and tourism
Management and Engineering

6. 5th International Conference on Engineering Management (ICEM 2017)

Date: 25-26 August 2017
Place: Kuala Lumpur, Malaysia

Selective Topics

- Chemical, environmental, and process engineering
- Intelligent polymers
- Green organic synthesis routes
- Process integration
- Environmental engineering & management
- Sustainable & clean technologies
- Chemical engineering educational challenges and development
- Chemical reaction engineering
- Chemical engineering equipment design and process design
- Thermodynamics
- Catalysis & reaction engineering
- Crystallization
- Distillation, absorption and extraction
- Product engineering and product development
- Product design & innovation
- Food engineering
- Nanomaterials
- Particle technology
- Mathematical modeling in chemical engineering
- Process control & operations
- Process safety management
- Supply chain management & business decision support
- Product engineering in the bio-industries
- Self-organisation in the bio-sciences and elsewhere
- Delivery of the final product
- Biotechnology applied to production of new and better quality food
- Physical chemistry and thermodynamics for life sciences and biotechnology
- Improvement of environmental remediation processes
- Food process technology and engineering
- Computer vision, graphics and intelligence
- Computational and artificial intel-
MANAGEMENT

• Computer vision
• Pattern analysis and recognition
• Computer graphics and virtual reality
• Human-computer interaction
• Simulation and modeling
• Natural language understanding
• Networks and systems
• Computer networks
• Parallel & distributed computing
• Computer architecture
• Operating systems
• Embedded systems
• Data management
• Databases
• Information retrieval
• Web data management
• Web information systems
• Multimedia DB’S
• Mining data, text, and the web
• Biomedical engineering
• Computer and ai applications in power industry
• Control science and control engineering
• Distributed generation, fuel cells and renewable energy systems
• Educational and training programs
• Electric vehicle technologies
• Electrical machinery and electrical apparatus
• Mechatronics & robotics
• Nuclear energy
• Power electronics and power drives
• Power engineering education
• Power market
• Power system reliability and security
• Power systems communication
• Power systems deregulation
• Predictive control
• Process control
• Simulation & control
• Adaptive intelligent systems
• Bioinformatics and medical engineering
• Defense systems and applications
• Aeronautics guidance, navigation, and control, integrated systems
• Architecture, intelligent health monitoring systems

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1. 5th International Conference on Mechanical, Automotive and Materials Engineering (CMAME 2017)

Date: 1-3 August 2017
Place: Guangzhou, Guangdong Province, China

Selective Topics:
- Mechanical, automotive and materials engineering
- Aerodynamics
- Aerospace systems and technology
- Alternative energy
- Applied mechanics and design
- Automation
- Biomechanics
- Composite materials
- Computational fluid dynamics
- Computer aided engineering design
- Concurrent engineering
- Condition monitoring
- Design and manufacturing
- Energy and thermofluids
- Energy conversion system
- Energy management
- Finite element analysis
- Fluid dynamics
- Fuels and combustion
- Green manufacturing
- Heat and mass transfer
- Solid and fracture mechanics
- Heat exchangers
- Heat transfer
- Industrial engineering
- Industrial tribology
- Instrumentation and control
- Internal combustion engines
- Machine design
- Machinery dynamics
- Manufacturing
- Materials science
- Mechanical engineering
- Micro-machining
- Micro- and nano manufacturing
- Micro and nanomaterials
- Modeling of processes
- Nano-technology
- Noise and vibration analysis
- Optimization of systems
- Rapid prototyping
- Refrigeration & air conditioning
- Renewable and non-renewable energies
- Renewable energy
- Reverse engineering
- Robotics
- Solid and fracture mechanics

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MATERIALS SCIENCE

2. 6th International Conference on Material Science and Engineering Technology (ICMSET 2017)

Date: 20-22 October 2017.
Place: Republic of Korea

Selective Topics:

- Materials behavior
- Casting and solidification
- Powder metallurgy and ceramic forming
- Surface, subsurface, and interface phenomena
- Coatings & surface engineering
- Composite materials
- Machining
- Nanomaterials and nanomanufacturing
- Biomedical manufacturing
- Environmentally sustainable manufacturing processes and systems
- Manufacturing process planning and scheduling
- Meso/micro manufacturing equipment and processes
- Modeling, analysis, and simulation of manufacturing processes
- Computer-aided design, manufacturing, and engineering
- Semiconductor materials manufacturing
- Laser based manufacturing
- Precision molding processes
- Joining processes
- Rapid manufacturing technologies
- Nontraditional manufacturing
- Nanofabrication, nanometrology and applications
- Metrology and measurement
- Mechanical and Electronic Engineering Control

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Materials Design and Manufacturing

3. International Conference on Materials and Intelligent Manufacturing (ICMIM 2017)

Date: 21-23 August 2017
Place: Singapore

Selective Topics

- Materials processing technology and materials science
- Superconducting materials
- Materials testing and evaluation
- Building materials
- Energy materials
- Composite
- Ceramics
- Metal alloy material
- Micro/nano materials
- Iron & steel
- Computer aided design of materials
- Microwave processing of materials
MATERIALS SCIENCE

- Chemical materials
- Smart materials and intelligent systems
- Hydrogen and fuel cells
- Surface engineering / coatings technology
- Process modeling, analysis and simulation
- Material processing
- New functional materials
- Material cutting
- Design and manufacturing systems
- Manufacturing process simulation
- Modern production equipment design and manufacture
- Pc guided design and manufacture
- Micro-machining technology
- Virtual manufacturing and network manufacturing
- Microwave processing of materials
- System analysis and industrial engineering
- Production and operation management
- Advanced forming manufacturing and equipment
- Nems/mems technology and equipment
- Intelligent mechatronics and robotics engineering/welding
- Power and energy systems
- Image, video, and signal processing
- System modeling and simulation techniques
- Fuzzy control and its applications
- CAD/CAM integration technology
- Computer-aided geometric design & simulation
- Precision mechanics & mechatronics
- Quality & reliability engineering
- Vehicle dynamic performance simulation
- Mechanical reliability theory and engineering
- Dynamic mechanical analysis, optimization and control
- Structural strength and robustness
- Reverse engineering
- Energy machinery and equipment
- Remote diagnosis and maintenance of equipment
- Virtual manufacturing and concurrent engineering
- Modeling and control theory
- Information systems analysis and integration
- Theories and models for system security
- Transport control theory and methodologies
- Dynamic control engineering
- Industrial automation and process control
- Distributed control system
MATERIALS SCIENCE

- Embedded system
- Advanced measurement and machine vision system
- Logistics and supply chain
- Sensors and applications
- Industrial informatics and computer science
- Infrastructure and technology in industrial informatics
- Cognitive and computational intelligence in industrial informatics
- Factory automation and industrial informatics
- Industrial informatics applications
- New paradigms in industrial informatics
- Tools for industrial informatics
- Control system modeling and simulation technology
- Microelectronics technology
- Circuit theory and its application
- Antenna technology
- Laser devices and technology
- Optoelectronic devices and technology
- Optical information technology and system
- Optical fiber communication
- Digital video/image communication
- Wireless communication
- Multimedia technology
- Computer networks and communication
- Information storage
- Operating system

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4. International Conference on Material Engineering and Advanced Manufacturing Technology (MEAMT 2017)
Date: 25-27 August 2017
Place: Busan, South Korea
Selective Topics:
- Materials science & engineering
- Materials behavior
- Casting and solidification
- Powder metallurgy and ceramic forming
- Surface, subsurface, and interface phenomena
- Coatings & surface engineering
- Composite materials
- Materials forming
- Machining
- Nanomaterials and nanomanufacturing
- Biomedical manufacturing
- Laser based manufacturing
- Precising molding processes
- Joining processes
MATERIALS SCIENCE

- Rapid manufacturing technologies
- Non-traditional manufacturing
- Nanofabrication, nanometrology and applications
- Metrology and measurement
- Mechanical and electronic engineering control
- Smart materials
- Sapec memory alloys and polymers,
- Electro and magnetorheological material
- Piezoelectrics
- Ferroelectrics,
- Multiferroics
- Piezomagnetics,
- Electro and magnetostrictive materials
- Electrochromics
- Electroactive plymers'
- Energy storage materials
- Multifunctional materials in general
- Application of smart materials, structures & related technology
- Fundamentals of smart materials
- Intelligent systems, integrated with sensors, actuators and controllers, applied to automation and robotics systems that utilised smart material systems
- Modeling/formulation and characterization of smart actuators, sensors and smart materials systems
- Smart materials utilized as sensors and actuators with applications at any scale
- Smart optical materials for modification in spectral shifts and refractive index shift
- Materials applications/ energy/biomedical/ high temperature
- Materials characterization, modelling performance
- Materials -environment interactions and protection
- Materials recycling and other related topics
- Materials processing and product manufacturing
- New materials for structural and structural and functional applications innovative composites, functionally graded materials

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Materials Structure and Properties

5. IRES - 222nd International Conferences on Metallurgy Technology and Materials (ICMTM)

Date: 27-28 July 2017
Place: Muscat, Oman

Selective Topics:
- Metallurgy
  - Metallurgical physical chemistry
MATERIALS SCIENCE

- Ferrous metallurgy
- Metallurgy of non-ferrous metals
- Metallurgical environmental engineering
- Metallurgical reaction engineering
- Metallurgy materials and pre-treatment
- Metallurgical thermal engineering
- Metallurgical machinery and automation
- Mining engineering
- Mineral processing
- Mining engineering
- Mining environmental engineering
- Mining surface engineering
- Development engineering of gas well and field
- Mine survey and safety engineering
- Petroleum & gas storage and transportation engineering
- Petroleum machinery and equipment
- Advanced materials science
- Nanotechnology and materials
- Semi-conductor materials
- Magnetic materials
- Electronic materials
- Microelectronic materials
- Hybrid optical materials (organic/inorganic)
- Modeling and simulation of materials and devices
- Quantum modulation based on superconductors, semiconductor and magnets
- Materials processing technology
- Materials forming
- Microwave processing of materials
- Processing technology for functional materials
- Function test & evaluation technology for material analysis

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6. 223rd International Conferences on Metallurgy Technology and Materials
Date: 30-31 July 2017
Place: Kuwait City, Kuwait
Selective Topics
- Metallurgy
  - Metallurgical physical chemistry
  - Ferrous metallurgy
  - Metallurgy of non-ferrous metals
  - Metallurgical environmental engineering
  - Metallurgical reaction engineering
### MATERIALS SCIENCE

- Metallurgy materials and pre-treatment
- Metallurgical thermal engineering
- Metallurgical machinery and automation
- Mining engineering
- Mineral processing
- Mining engineering
- Mining environmental engineering
- Mining surface engineering
- Development engineering of gas well and field
- Mine survey and safety engineering
- Petroleum and gas storage & transportation engineering
- Petroleum machinery and equipment
- Advanced materials science
- Nanotechnology and materials
- Semi-conductor materials
- Magnetic materials
- Electronic materials
- Microelectronic materials
- Hybrid optical materials (organic/inorganic)
- Advanced textile materials
- New functional materials
- Materials physics
- Materials chemistry
- Biological medical materials
- Tooling testing and evaluation of materials
- Modeling and simulation of materials and devices
- Quantum modulation based on superconductors, semiconductor and magnets
- Materials processing technology
- Materials forming
- Materials machining
- Surface engineering/coatings
- Welding & joining
- Low cost packaging methods
- Laser processing technology
- Microwave processing of materials
- Processing technology for functional materials
- Function test & evaluation technology for material analysis

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Military Communication

International Conference on Military Communications And Information Systems (ICMCIS 2017)

Date: 15-16 May 2017
Place: Oulu, Finland

Selective Topics

- Concepts and solutions for defence
- CIS support of future soldier
- Architecture, modelling and simulation
- Human factors for CIS
- Test beds, exercises and demonstrations
- Enabling and disruptive CIS technologies Information and knowledge management
- Semantic and domain-based interoperability
- Middleware services and applications
- Information fusion and decision support
- Intelligent and autonomous technology
- Big data and cloud computing
- Visualization and visual analytics Information assurance and cyber defence
- Attack and intrusion detection, analysis, attribution, and damage assessment
- Cyber situation awareness and security metrics
- Survivability and resilience
- Wireless and sensor network security
- Authentication, authorization and access control
- Trust, secure collaboration and information sharing
- Cyber defence simulation and training
- Key management, cryptographic protocols and cryptography Communications and networks
- 5G communications
- Cognitive networks
- Tactical and mobile ad-hoc networks
- Heterogeneous wireless networks
- Wireless sensor networks
- Topology and network control
- MAC, network & transport

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Military Tradition

International Conference on Military Heritage from the 20th Century (MILITAGE 2017)

Date: 4-7 September 2017
Place: Norway
Selective Topics

- Identification and protection
- Attributes and characteristics of 20th century fortifications
- Fortification typologies • Identification, documentation and protection of «conflict landscapes
- Identification of the cultural heritage values
- Fortifications on National Heritage List
- Fortifications in danger
- Interventions on fortifications
- Case studies 2 - Management
- Aging of concrete and iron: conservation actions
- Challenges in conservation of technical components, i.e., radar, electronic devises
- Decision making process to manage military landscapes in transformation

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Military Technology and Equipment

8-th International Exhibition of Arms and Military Machinery (MILEX - 2017)
Date: 20-22 May 2017
Place: Belarus

Selective Topics

- Armored machinery.
- Missile, artillery and shooting arms.
- Short- and medium-range air defense systems.
- Hi-tech equipment and systems.
- Ammunition and special chemistry, ground measuring equipment.
- Optic-electronic equipment and systems.
- Radiation, chemical, and biological protection technologies and machinery.
- Military establishments of higher education and military training establishments.
- Equipment for salvage operations in the conditions of natural calamities and emergency situations, fire-extinguishing equipment and means.
- Military research base.
- Military medicine.
- Ammunition, clothes and special accessories.
- Individual armored equipment.

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International Conference on Manufacturing Technology and Simulation (ICMST 2017)

Date: 7-8 July 2017
Place: Chennai

Selective Topics

- Modeling and simulation of 2D and 3D machining processes
- High-speed cutting and hard machining
- Advanced material behavior and tribological aspects in machining
- Precision and micromachining
- Grinding and abrasive machining
- Micro/ Nano / Non-conventional machining

- Dynamics and stability of machining
- Condition Monitoring, diagnostics and Prognostics
- Machining optimization methods
- Sustainable Manufacturing
- 3-D Printing

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