



# **F I C M S T**

## **Forthcoming International Conferences on Military Science & Technology**

**Vol. 10 No. 5 May 2015**

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## **About the FICMST**

DESIDOC brings out a range of services and products to keep its users updated. The Forthcoming International Conferences on Military Science & Technology (FICMST) service covers upcoming conferences, seminars, workshops, events, and exhibitions on the topics like Aeronautics, Armaments, Combat Vehicles, Computer Science, Electronics, Life Sciences, Management, Materials Science, Military Science, Missiles, Naval Science and other topics related to DRDO. The service also covers the forthcoming S&T Awards & Fellowships. The aim of this anticipatory service is:

- To inform the DRDO scientific community about the forthcoming events, both national and international, in defence-related areas.
- To help the scientific community abreast and update with the latest and current advancements in their respective areas of specialisation.

The information is collected and compiled from defence-related journals being subscribed in Defence Science Library (DSL), DESIDOC and from the Internet. The limited topics are covered under each conference due to space constraints. Contact addresses and website addresses are also provided to help interested scientists/researchers get complete information about the conferences.

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## **2nd International Conference on Aerospace Engineering**

*Date: 14-15 June 2015*

*Location: Saint Petersburg, Russian Federation*

*Topics Covered:*

- Acoustics and noise control
- Aerodynamics
- Applied mechanics
- Automation, mechatronics and robotics
- Automobiles
- Automotive engineering
- Ballistics
- Biomechanics
- Biomedical engineering
- CAD/CAM/CIM
- CFD
- Composite and smart materials
- Compressible flows
- Computational mechanics
- Computational techniques
- Dynamics and vibration
- Energy engineering and management
- Engineering materials
- Fatigue and fracture
- Fluid dynamics & mechanics
- Fracture
- Fuels and combustion
- General mechanics
- Geomechanics
- Health and safety
- Heat and mass transfer
- HVAC
- Industrial and systems engineering
- Industrial engineering
- Industrial, mechanical, systems science and engineering
- Instrumentation and control
- Internal combustion engines
- Logistics and scheduling
- Machinery and machine design
- Manufacturing and production processes, engineering
- Marine system design
- Material engineering
- Material science and processing
- Mechanical design
- Mechanical power engineering
- Mechatronics
- MEMS and nano technology
- Multibody dynamics
- Nanomaterial engineering
- New and renewable energy
- Noise and vibration
- Noise control
- Non-destructive evaluation
- Nonlinear dynamics
- Operations management
- PC guided design and manufacture
- Plasticity mechanics
- Pollution and environmental engineering
- Precision mechanics, mechatronics
- Production technology
- Quality assurance and environment protection
- Resistance and propulsion
- Robotic automation and control

- Solid mechanics
- Structural dynamics
- System dynamics and simulation
- Textile and leather technology
- Transport phenomena
- Tribology
- Turbulence
- Vibrations
- Theories, models and concepts
- Advanced energy sources
- Advanced heat pipe technologies
- Advanced in-space propulsion & power concepts
- Advanced thermal control technologies
- Advances in space propulsion
- Enabling technologies for lunar surface science
- Far term space transport and environment models and theories
- High capacity heat rejection systems
- High frequency gravity wave detection
- High frequency gravity wave generators
- Innovative techniques in fusion energy
- Innovative techniques in nuclear energy
- Lunar in space resource utilization
- Lunar lander technologies and design
- Medical astrosociology
- Microgravity thermophysics
- New directions in astrophysics/ particle physics
- New directions in communications
- Planetary defense and societal protection
- Propulsion analysis
- Sensors
- Smart materials
- Space policy and space law in a social context
- Space science and technology roadmaps
- Space societies/ the settlement of space environments
- Technology transfers and spinoffs
- The relationship between astrosociology and astrobiology
- Theories on high frequency gravity waves
- Thermal control

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**3rd International Conference and Exhibition on Mechanical & Aerospace Engineering**

*Date: 5-7 October 2015*

*Location: San Francisco, California, USA*

*Topics Covered:*

- Fluid mechanics

- Fluid solid mechanics
- Knots and links in fluid mechanics
- Stress and strain in fluid mechanics
- Critical fluid connective flow
- Navier-stokes fluid connective flow
- Thermo fluid mechanics
- Computational fluid dynamics
- Incompressible fluids
- Fluid dynamics
- Biomedical engineering in fluid mechanics
- MEMS
- Aerodynamics, aero-acoustics
- Modelling and design of aero-engines and aero engine fans
- Aero-engine combustors
- Unsteady aerodynamics
- Aero heating
- Numerical investigations in aerodynamics
- Projectile aerodynamics
- Aero-elastic modelling
- Aero dynamics heating in aerospace vehicle
- Airship design and development
- Remotely controlled airship design
- Bio inspired and bio-mimetic micro flyers
- Trajectory optimisation for stratospheric airship
- Electric aircraft concept for unmanned air vehicles and military aviation
- Design and modelling of solar-powered aircrafts
- Hydrogen powered aircrafts-future technology
- Flight vehicle and navigation
- Integrated aircraft and underwater navigation
- Satellite based and ground based air navigation
- Navigation of land vehicles in battle field
- Pseudolites
- Orbit design for remote sensing satellites
- Gps-based relative navigation of satellites
- Fault detection method for aircraft navigation system
- Control, navigation and collision avoidance for unmanned aerial vehicle
- Vehicle system and technologies
- Mechanics in automobiles
- Air vehicle systems and technologies
- Flight/ground systems, mission planning and operations
- Dynamical analysis of vehicle systems
- Design and modelling of aircraft and helicopter engines
- Engine integration of light sport aircraft
- Novel aero engine concepts
- Design and modelling of military helicopters
- Helicopter auto-pilot design



- Rotor speed control for integrated helicopter engine
- Artificial intelligence in aircraft design
- Aviations emissions mitigation policies
- Robotics and mechatronics
- Bio-inspired motion for wheeled mobile robots
- Potential use of robots on extra-terrestrial bodies
- Pneumatic artificial muscles for robotic hand
- Aero-space robotics and challenges
- Military robots and drones
- Design & development of rockets, hybrid rocket motors
- Rocket motor powered vehicle for sub-orbital flight
- Solid rocket propellants
- Liquid propellant rocket engines
- Manned space transportation vehicles
- High thrust liquid rocket engine fuel turbo pump
- Space engineering
- Space mission design
- Space propulsion
- Bio-regenerative life support systems
- Bioengineering & biomechanics
- Biomaterial and nano technology
- Environmental fluid dynamics
- Bio-medical micro devices
- Micro engineering
- Development of biomechanics for human anatomy
- Bio-medical engineering
- Material processing
- Advanced material processing and properties
- Nano mechanics and multi-physics
- Synthesis and material characterisation
- Multiscale material design
- Nono-material processing
- Material flow and combustion
- Emission, air quality and nano particle synthesis
- Energy processing
- Industrial plasma processing
- Energy dependent processing
- Energy savings in thermal processing
- Radiation processing
- Bio-energy production
- Mechanics, dynamics and controls
- Energy and wave propagation in solids
- Advanced acoustics
- Astrodynamics
- Air traffic control systems
- Heat transfer systems
- Bio-medical engineering in fluid mechanics
- Heat transfer in multiphase systems
- Transport phenomena in materials processing and manufacturing
- Heat transfer in electronic

- equipment, in biotechnology
- Applications of aerospace technology
  - Communications satellite applications
  - Remote sensing satellite applications
  - Navigation satellite applications
  - Satellite & launcher technology
  - Ultra wideband technologies for space applications
  - Science & astronomy
  - Astrobiology
  - Optimisation application in mechanical & aerospace engineering
  - Mechanical engineering and management
  - Operations management
  - Logistics and supply chain management
  - Reliability and maintenance engineering
  - TQM and quality engineering
  - Industrial management in mechanical engineering

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*<http://mechanical-aerospace.conferenceseries.com/index.php>*

### **International Postgraduate Conference on Material, Manufacturing and Aerospace Engineering**

*Date: 10-11 November 2015*

*Location: Ho Chin Minh, Vietnam*

*Topics Covered:*

- Aerospace engineering and management
- Aircraft vibration and aero elasticity
- Aviation logistics and supply chain management
- Aircraft propulsion and gas turbine engines
- Avionics and aircraft systems
- Computational fluid dynamics
- Fluid mechanics
- High-speed aerodynamics
- Industrial aerodynamics
- Integrated systems design
- Managing creativity & innovation
- Managing innovative change
- Marketing management
- Operations management
- Project management
- Propulsion and turbomachinery

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: +6016-7672061 (English)

*<http://ipcmmae2015.weebly.com/>*

### **International Conference on Network Security & Computer Science (ICNSCS-15)**

*Date: 9-10 June 2015*

*Location: Antalya, Turkey*

*Topics Covered:*

- Computer science & engineering
- Software
- Security, privacy and trust
- Service-oriented framework and middleware
- Artificial intelligence
- Data mining
- E-learning, e-commerce, e-society, etc.
- Intelligent systems
- Speech and audio processing
- Image processing & understanding
- Cryptography and stenography
- Information systems

*Contact Information:*

<http://icnscs.org>

### **International Conference on Current advances in Computer Science and Information Technology (ICCSIT-15)**

*Date: 18 June 2015*

*Location: Coimbatore, Tamil Nadu*

*Topics Covered:*

- Computer science and engineering
- Computer networks
- Data communications
- Data encryption

- Data mining
- Database systems
- Programming languages
- CAD-CAM
- Software engineering
- Computer animation
- Artificial intelligence
- Gui, distributed and parallel processing
- Operating systems
- Internet and web applications
- Mobile computing.
- Security and cryptography
- Pattern recognition
- Neural networks
- Parallel and distributed computing, etc.
- Architectural interaction
- Big data infrastructure
- Cloud computing
- Data center networking
- Nanoelectronics and microelectronics

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*<http://iferp.in>*

### **2nd International Conference on Information Engineering, Management and Security 2015**

*Date: 13-14 August 2015*

*Location: Thiruchengode, Tamilnadu, India*

*Topics Covered:*

- Soft computing applications to power systems

- Multi level inverters
- Distributed energy sources
- Power quality issues
- Power system deregulations
- Electric vehicles
- Special machines
- Green computing & green energy
- Embedded systems
- VLSI system design
- Communications systems
- Digital image processing
- Digital signal processing
- Microwave & rader designing
- Wireless communications networks
- Mobile communications
- Casting
- Welding
- Micro-machining
- Concurrent engineering
- CAD/CAM/CAE
- Green manufacturing
- Design and manufacturing
- Dynamics manufacturing
- Rapid prototyping
- Reverse engineering
- Machine learning
- Applications of ai techniques in design and manufacturing
- Expert systems
- Fuzzy logic
- Genetic algorithm
- Aerospace systems & technology
- Product
- Design
- Machine design machinery
- Finite element analysis
- Applied mechanics and design automation
- Industrial tribology
- Noise and vibration analysis
- Mechatronics
- Robotics
- Aerodynamics
- Alternative energy
- Heat exchangers
- Energy management
- Fluid dynamics
- Heat and mass transfer
- Internal combustion engines
- Refrigeration & air conditioning
- Renewable and non-renewable energy
- Solar thermal systems
- Energy and exergy analysis
- Materials preparation and processing
- Materials engineering
- Materials science
- Micro and nanomaterials
- Composite materials
- Forming
- Powder processing
- Surface engineering
- Materials characterization
- Adhesion and interfaces
- Smart materials and structures
- Electronic and magnetic materials, corrosion
- Non-destructive inspection

techniques

- Contact surface
- Information & knowledge management
- Organizational models & information systems (OMIS)
- Intelligent & decision support system
- Health informatics (HIS)
- Information technology in education (ITE)
- Geographical information system (GIS)
- Mobile computing & e-commerce
- Evolutionary computing
- Computational intelligence
- Granular computing
- Agile process & organization
- Cloud computing security
- Qos in wireless sensor networks
- Cryptographic protocols
- Data security & privacy
- Digital forensics
- Web2.0 Security
- Security challenges in mobile/ embedded systems/ambiguous systems
- Security threats in wireless sensor networks
- Android hacking & penetration testing
- Knowledge discovery & data mining
- Big data analytics,
- Other scientific & engg applications

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### **International Symposium on Computer Science and Software Engineering (CSSE 2015)**

*Date: 18-19 August 2015*

*Location: Tabriz, Iran*

*Topics Covered:*

- Algorithms
- Computational geometry
- Theoretical computer science
- Theory of computation
- Information retrieval
- Formal methods
- Formal verification
- Software engineering
- Software reliability
- Software architectures
- Software testing
- Verification and validation
- Parallel and distributed computing
- Concurrency theory
- Information systems
- Data mining
- Big data
- Semantic webs
- Compilers and interpreters
- Social networks

- Human–computer interaction

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### **1st International Conference on Computer Science and Computational Intelligence (ICCSCI 2015)**

*Date: 28-30 August 2015*

*Location: Jakarta, DKI Jakarta, Indonesia*

*Topics Covered:*

- Computer science
  - Automated software engineering
  - Computer simulation
  - Internet and web applications
  - Bio-informatics
  - Computer vision
  - Internet of things
  - Business intelligence
  - Data communication
  - Knowledge data engineering
  - Compilers and interpreters
  - Computer architecture and embedded systems
  - Computer games
  - Computer graphics and multimedia
  - Computer modelling
  - Computer networks

- Data encryption
- Database systems
- Distributed systems
- Image processing
- Information engineering
- Mobile computing
- Robotics and automations
- Security and cryptography
- Ubiquitous computing
- Wireless communication and mobile computing
- Computational intelligence
  - Ant colony optimisation
  - Bayesian approach
  - Condition diagnosis
  - Data mining
  - Decision support system
  - Evolutionary algorithm
  - Natural language processing
  - Bayesian approach
  - Expert system
  - Neural networks
  - Condition diagnosis
  - Fuzzy system
  - Pattern recognition
  - Data mining
  - Genetic programming
  - Soft computing
  - Decision support system
  - Machine learning
  - Statistical learning

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## International Conference on Artificial Intelligence & Computer Science 2015 (AICS 2015)

Date: 7-8 September 2015

Location: Batu Ferringhi, Penang,  
Malaysia

### Topics Covered:

- Natural language processing
- Machine translation
- Machine transliteration
- Computer science
- Computer intelligence
- Algorithm and programming
- Software engineering
- Fuzzy logic and soft computing
- Software tools for AI
- Expert systems
- Decision support systems
- Automated problem solving
- Knowledge discovery
- Knowledge representation
- Knowledge acquisition
- Knowledge-intensive problem solving techniques
- Knowledge networks and management
- Intelligent information systems
- Intelligent web-based business
- Intelligent agents
- Intelligent networks
- Intelligent databases
- Intelligent user interface
- AI and evolutionary algorithms
- Intelligent tutoring systems
- Reasoning strategies
- Distributed ai algorithms and techniques
- Distributed AI systems and architectures
- Neural networks and applications
- Heuristic searching methods
- Languages and programming techniques for AI
- Constraint-based reasoning and constraint programming
- Intelligent information fusion
- Search and meta-heuristics
- Swarm optimization
- Integration of AI with other technologies
- Evaluation of AI tools
- Social intelligence (markets and computational societies)
- Social impact of AI
- Emerging technologies

- Machine learning
- General machine learning theory
- Statistical learning theory
- Unsupervised and supervised learning
- Hierarchical learning models
- Relational learning models
- Meta learning
- Stochastic optimization
- Simulated annealing
- Heuristic optimization techniques
- Neural networks
- Reinforcement learning
- Multi-criteria reinforcement learning
- Multiple hypothesis testing
- Decision making
- Markov chain Monte Carlo (MCMC) methods
- Graphical models
- Gaussian graphical models
- Cross-entropy method
- Ant colony optimization
- Time series prediction
- Fuzzy logic and learning
- Inductive learning & applications
- Grammatical inference
- General graph-based machine learning techniques
- Graph-based semi-supervised learning, clustering
- Graph learning based on graph transformations and grammars and graph matching
- Information-theoretical approaches to graphs
- Motif search
- Network inference
- General issues in graph and tree mining
- Computational intelligence
- Induction of document grammars
- Supervised and unsupervised classification of web data
- General structure-based approaches in information retrieval, web authoring, information extraction, and web
- Ontent mining
- Latent semantic analysis
- Intelligent linguistic
- Aspects of text technology
- Computational vision
- Computational Statistics

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### **International Conference on Electrical, Electronics & Communication Engineering (ICEECE)**

*Date: 31 May 2015*

*Location: Hyderabad, India*

*Topics Covered:*

- Computer science theory and technology
- Application of computer science in various fields of theory and practice
- Mathematical theory and technology
- Mathematics in education theory and practice
- All kinds of fields in the management of mathematical theory and practice
- Physical theory and technology
- Physical in education theory and practice
- Physics theory and practice of management in various areas
- Computer science and mathematics, physics parallel application and management
- Electrical engineering
- Electronics engineering
- Communication engineering
- Radio engineering
- Telecommunications
- Control systems
- Signal processing
- Systems engineering
- Control engineering
- Microelectronics
- Signal processing
- Telecommunications engineering
- Instrumentation engineering
- Signals and systems
- Control system
- PDA
- Digital & analog communication
- Digital & analog circuits and application
- Nano technology
- Digital synchronous machines
- Timers, microwave and radar technology
- Optoelectronic circuits
- Semiconductor devices
- VLSI
- Digital signal and image processing etc
- Electrical engineering
- Transmission lines
- Microwave theory & application
- Automation, control and instrumentation
- Power electronics
- Wind power generation
- Power management system
- Electrical and electronic materials:
- Electrical conductivity.
- Optical fibres – principles and applications
- Network & coupled circuits.
- Self-tuning regulators
- power station

*Contact Inforamtion:*

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*<http://iraj.in/Conference/2015/Hyderabad/ICEECE4/>*

**International Conference on Emerging Trends in Electronics, Electrical and Computer Science (ICEECS-15)**

*Date: 11 June 2015*

*Location: Chennai, Tamil Nadu India*

*Topics Covered:*

- Computer science and engineering
- Computer networks
- Data communications
- Data encryption
- Data mining
- Database systems
- Programming languages
- CAD/CAM
- Software engineering
- Computer animation
- Artificial intelligence
- Gui, distributed and parallel processing
- Operating systems
- Internet and web applications
- Mobile computing
- Security and cryptography
- Pattern recognition
- Neural networks
- Parallel and distributed computing, etc.
- Architectural interaction
- Big data infrastructure
- Cloud computing
- Data center networking
- Nanoelectronics and microelectronics
- Electronics and communication
- Nanoelectronics and microelectronics
- Power and applied electronics
- Microprocessor and microcontroller
- Very large scale integration (VLSI)
- Micro scale fabrication
- Electrical machines and drive systems
- Electric vehicle technologies
- Electrotechnologies
- High voltage and insulation technologies
- Power electronics and drive systems
- Power quality and electromagnetic
- Compatibility
- Power system reliability and security
- Power systems communication
- Semiconductor technology
- Signal and image processing
- Transmission of numerical images
- Embedded system security
- Intelligent control
- FPGA in outer space
- Nuclear microbatteries
- Nanotechnology
- Nanomachines

- Humanoid robots
  - Electrical and electronics
  - Instrumentation
  - Electric power generation
  - Electronic materials
  - Electromagnetic transients programs
  - Digital signal processing
  - Microprocessor based technologies
  - Digital communication
  - Digital security
  - Magnetic theory
  - Micro machines
  - Economic aspects of power quality and cost of supply
  - Sensibility of loads and other electrical equipment to power quality characteristics
  - Influences of disturbing loads on supply networks and other electrical devices
  - Electrical and exploitative characteristics of loads and electrical power converters
  - Reliability and continuity of supply
  - Power quality in grids with distributed generation and renewable energies
  - Harmonics
  - Energy efficiency in industry
  - Education and power quality
  - Electrical materials and process
  - Semiconductor technology
  - High voltage engineering and insulation technology
  - Electronic materials
  - Education and training for electrical engineers
  - Power system planning and scheduling
  - Power system protection, operation and control
  - Transmission & distribution systems and apparatus hvdc and facts
  - Electromagnetic transients programs (EMTP)
  - Wind, solar and renewable energy
  - Control theory and application
  - Electrical machines
  - Electric drivers and application
  - Electrical traction systems and control
  - Electromagnetic and applied superconductivity
  - Industrial process control and automation
  - Inverter and converter technology
  - MemS-related technology
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*<http://iferp.in>*
- IIE International Conference on Computing, Mechanical and Electronics Engineering (ICCMEE'2015)**  
*Date: 9-10 July 2015*  
*Location: Singapore*

### *Topics Covered:*

- Computer science & engineering
- Electrical engineering
- Information technology
- Electronics engineering
- Instrumentation engineering
- Industrial engineering
- Mechanical engineering
- Architectural engineering
- Civil engineering
- Chemical engineering
- Aeronautical engineering
- Bio-medical engineering
- Environmental engineering
- Nano-technology
- Genetic engineering
- Materials and metallurgical engineering and applications

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### **International Conference on Electrical and Electronics Engineering**

*Date: 11-12 July 2015*

*Location: Pattaya, Thailand*

### *Topics Covered:*

- Mechanical engineering
- Civil engineering
- AI, intelligent control, neuro-control, fuzzy control and their applications
- Artificial intelligence & engineering

- Bioengineering and biomedical engineering
- Biologically-inspired robots and systems
- Biomedical and rehabilitation engineering, prosthetics and artificial organs
- CAD/CAM/CAE, CIM, FMS and manufacturing systems
- Casting
- Composite materials
- Computational intelligence in mechatronics
- Computer and robot vision
- Mechanical engineering, Automobile
- Industrialisation and production engineering
- Bio mechanical
- Computer control
- Control system modeling and simulation techniques and methodologies
- Control systems and machine dynamics
- Cutting toll design
- Discrete event dynamic systems
- Distributed systems
- Dynamics, motion control
- Education and training in mechatronics
- Elasticity, plasticity, viscoelasticity and fracture
- Elements, structures, mechanisms, and applications of micro and nano systems
- Embedded real-time systems

- Engineering economics
- Evaluation computer aided production planning, scheduling and control
- Expert systems and reversed engineering
- Fault detection and diagnosis
- Force/impedance control, architecture and programming
- Functionality graded materials
- Haptics, teleoperation, telerobotics and network robotics
- Hardware/software co-design
- Human-robot interfaces
- Industrial automation, process control, manufacturing process and automation
- Industrial engineering, planning
- Intelligent manufacturing systems
- Intelligent mechatronics, robotics, biomimetics, automation, and control systems
- Intelligent system
- Intelligent transportation systems
- Kinematics, mechanics and mechanism design
- Legged robots, wheeled mobile robots
- Machine design, elements
- Machine tool design, CNC, metrology
- Machining processes
- Man machine interfaces
- Manufacturing system architecture, design and performance
- Material science
- Materials and material processing
- Mechanical metallurgy
- Mechanics of deformable bodies
- Mechanisms, systems
- Mechatronic systems and applications
- Mechatronics design
- Mechatronics education
- Medical robots and systems
- Metal cutting, forming
- Methodologies for robotics and automation
- Micro mechatronics
- Micro/nano, distributed, cellular and multi robots
- Modeling and simulation of mechatronic systems
- Modeling, planning and control
- Motion control
- Network based control systems
- Operations research
- Personal and service robotics
- Petri nets
- Process control
- Production management
- Production technology
- Quality control
- Robotics and automation in unstructured environment
- Robots and mobile machines
- Sensor based robotics
- Sensor design, integration and

fusion, multi-sensor data fusion algorithms and wireless sensor networks

- Signal and image processing and pattern recognition
- Smart materials
- Solidification
- Stability and noise
- Teleoperation, telerobotics, haptics, and teleoperated semi-autonomous systems
- TQM maintenance and diagnostics
- Tribology
- Underwater robotics
- Vibration and control
- Virtual reality
- Vision and sensors
- Welding and powder technology
- Theory and advanced technology of engineering structure
- High-rise structure and large-span structure
- Bridge and tunnel engineering
- Advanced technology of geotechnical engineering
- Municipal engineering
- Hydraulic and hydro-power engineering
- Civil engineering materials
- Engineering structure safety and disaster prevention
- Building energy conservation and green architecture
- Structural liability, durability and health monitoring

- Engineering management

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<http://www.icrmpe.com/>

### **International Conference on Current Research in Electronics, Electrical and Instrumentation Engineering (ICEEIE-15)**

*Date: 16 July 2015*

*Location: Bangalore, Karnataka*

*Topics Covered:*

- Electronics and communication
- Nanoelectronics and microelectronics
- Power and applied electronics
- Microprocessor and microcontroller
- VLSI
- Micro scale fabrication
- Electrical machines and drive systems
- Electric vehicle technologies
- Electrotechnologies
- High voltage and insulation technologies
- Power electronics and drive systems
- Power quality & electromagnetic compatibility
- Power system reliability and security
- Power systems communication
- Semiconductor technology

- Signal and image processing
- Transmission of numerical images
- Embedded system security
- Intelligent control
- FPGA in outer space
- Nuclear microbatteries
- Nanotechnology
- Nanomachines
- Humanoid robots
- Electrical and electronics
- Instrumentation
- Electronic materials
- Electromagnetic transients programs
- Digital signal processing
- Microprocessor based technologies
- Digital communication
- Digital security
- Magnetic theory
- Micro machines
- Economic aspects of power quality and cost of supply
- Sensibility of loads and other electrical equipment to power quality characteristics
- Influences of disturbing loads on supply networks and other electrical devices
- Electrical and exploitative characteristics of loads and electrical power converters
- Power quality in grids with distributed generation and renewable energies
- Harmonics
- Energy efficiency in industry
- Education and power quality
- Electrical materials and process
- Semiconductor technology
- High voltage engineering and insulation technology
- Electronic materials
- Education and training for electrical engineers
- Power system planning and scheduling, protection, operation and control
- Transmission & distribution systems and apparatus HVDC and FACTS
- Electromagnetic transients programs (EMTP)
- Wind, solar & renewable energy
- Control theory and application
- Electrical machines
- Electric drivers and application
- Electrical traction & control
- Electromagnetic and applied superconductivity
- Industrial process control and automation
- Inverter & converter technology
- MEMS-related technology

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E-mail : info@iferp.in  
http://iferp.in

### **International Conference on Food, Ecological and Life Sciences (FELS-2015)**

*Date: 15-16 June 2015*

*Location: Bangkok, Thailand*

*Topics Covered:*

- Ecology
- Biology
- Botany
- Food engineering
- Nutrition
- Life sciences
- Molecular biology
- Environmental engineering and technology
- Biotechnology and
- Zoology

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### **International Forum-Agriculture, Biology, and Life Science (IFABL)**

*Date: 23-25 June 2015*

*Location: Sapporo, Hokkaido, Japan*

*Topics Covered:*

- Agriculture
  - Agricultural—development, economics, engineering, history
  - Crop science
  - Pest management

- Food science and nutrition
- Computational methods and statistic for agriculture
- Robotics and new technologies
- Nanotechnology and nano-agriculture
- Biodiversity and agro biodiversity
- Climate change and agriculture
- Soil, water and management
- Selection and improvement of plants and animals
- Agriculture mechanization and organisational management
- Environmental sciences
- Planning and fleet management
- Green agriculture
- Geo-informatics in agriculture
- Biology
  - Biology and pharmacology of chemical elements†
  - Gene expression‡
  - Neurochemistry
  - Molecular biology
  - Protein processing & folding
  - Chemical pathology§
  - Agro-biotechnology research
  - Food biotechnology research
  - Microbiology
  - Microorganism technology
  - Bioscience engineering
  - Ecology
  - Botany
  - Zoology
  - Physiology



- Developmental biology
- Biophysics, bioinformatics, bioengineering, biochemistry
- Anatomy
- Life sciences
- Analytical chemistry
- Applied & industrial chemistry
- Atomic, molecular, physical chemistry
- Environmental chemistry
- Forensic chemistry, inorganic chemistry, materials chemistry, organic chemistry, physical, chemistry
- Biomaterials
- Crystallography
- Applied physics
- Astrophysics
- Atomic & nuclear physics
- Chemical physics
- Computational physics
- Optoelectronics
- Plasmas & fluids
- Statistical physics
- Atmospheric physics
- Pharmaceutical biotechnology
- Biosecurity
- Applied biotechnology

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**International Conference  
on Applied Life Sciences  
(ICALS2015)**

*Date: 5-17 September 2015*

*Location: Mumbai, India*

*Topics Covered:*

- Agriculture
  - Organic food
  - Agricultural economic
  - Organic agriculture
  - Irrigation systems
  - Agricultural machinery
  - Soil and water management
  - Medicinal plants
  - Plant pathology
  - Entomology
- Biology
  - Nanobiotechnology
  - Microbiology
  - Plant & animal biology
  - Bioinformatics
- Environment
  - Climate change
  - Biodiversity
  - Energy consumption
  - Urban environment
  - Sustainable development
  - Environmental pollution
  - Environmental impact assessment
  - Health, safety & Environment
  - Environmental design
  - Natural resources
  - Ecotourism
- Interaction between environment, biology & agriculture
  - Modelling environment, biology and agriculture, social and economic aspects of

environment, biology and agriculture

- Waste water application in green space and agriculture
- GIS
- Remote sensing

*Contact Information:*

*<http://www.icals2015.com/>*

### **6th World Congress on Biotechnology**

*Date: 5-7 October 2015*

*Location: New Delhi, India*

*Topics Covered:*

- Biotechnology in agriculture
  - Tissue culture and plant biotechnology
  - Plant based medicine, vaccine and natural product
  - Agricultural engineering, agronomy, sustainable development
- Biotechnology in health care
  - Medical and pharmaceutical biotechnology
  - Clinical trial and clinical data management
  - Vaccine, diagnostic and healthcare products
  - Novel drug development and drug delivery system
  - Tissue engineering, biomaterial and artificial organ
  - Biomedical and imaging
  - Pharmaco vigilance and pharma regulatory affairs
- Food and bioprocess technology
  - Food production, processing, packaging and quality control
- Microbiology of food spoilage and preservation
- Enzymes in bioprocess
- Bioreactors and cell culture systems
- Bioreactor design, instrumentation, control and automation
- Fermented foods, sea foods and dairy products
- Food security, safety and challenges
- Cancer and genomics research
  - Epigenetics and noncoding RNA technologies
  - Cancer associated infectious agents detection technologies
  - Clinical and translational epidemiology
  - Cancer biology and cancer cell therapy
- Genetic engineering and rDNA technology
  - Recent advances and tools in genetic engineering
  - Recombinant DNA technology and cloning
  - Genetically modified products, GMOs and safety issues
  - Human genetic engineering and genome research
  - Biosafety and rDNA guidelines
  - Genetic engineering: current issues and concerns
- Biochemistry, cell and molecular biology
  - Molecular basics of life

- Chemical signals and biochemical pathways
- Metabolic regulation and cell based assays
- Biochemistry and analytical biochemistry
- Biomarker and its application
- Biochemical and toxicology
- Microbiology and microbial world
  - Microbial physiology, metabolism, genetics and evolution
  - Medical microbiology and pathology
  - Bacterial pathogenesis, epidemiology, virulence & counter-measures
  - Microbiology of food, food born diseases and measure
  - Antibiotics and drug discovery
  - Biotechnological applications of environmental microbiology and metagenomics
  - Human viral, bacterial diseases and measures
  - HIV, other retroviral and vector borne diseases
  - Microbial physiology, metabolism, genetics and evolution
  - Medical microbiology and pathology
  - Bacterial pathogenesis, epidemiology, virulence & counter-measures
  - Microbiology of food, food born diseases and measure
  - Antibiotics and drug discovery
  - Human viral, bacterial diseases and measures
- Biotechnological applications of environmental microbiology and metagenomics
- HIV, other retroviral and vector borne diseases
- Animal biotechnology and cell culture
- Bioinformatics and biosensor
  - Computer aided drug designing and QSAR study
  - Bio computing and algorithm development
  - Omics & metagenomics study
  - Data mining and biological database development
  - Biosensors for environmental monitoring and for security and healthcare
  - MD simulation and other advanced techniques
- Environmental biotechnology and sustainable development
  - Global environmental change and ecosystem management
  - Bioremediation, biodegradation & biotransformation techniques
  - Sewage and waste water treatment process
  - Bio refining and bio processing of crude oils
  - Ecosystem management and restoration techniques
  - Hazardous, medical and solid waste management
  - Biobased water treatment chemicals
  - Bioethanol and biodiesel from biomass
  - Life cycle assessment (LCA)
  - Aquaculture and marine

- biotechnology
- Biotechnology worldwide
  - Instrumentation, tools and technologies, TOT in biotechnology
  - Ethics and IPR in biotechnology
  - Nanobiotechnology
- Tissue science and engineering
  - Bone tissue transplantation
  - Future of soft tissue reconstruction
  - Advances in biotechnology for tissue engineering
  - Biochips and tissue chips
  - Bone tissue transplantation
  - Future of soft tissue reconstruction

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**7th International Conference on Healthcare and Life Science Research (ICHLSR)**

*Date: 13-14 November 2015*

*Location: Singapore*

*Topics Covered*

- Understanding of life-processes for possible academic, therapeutic or commercial applications
- Solutions for challenges in academics and practice
- Advanced technologies, devices,

- protocols and best practices
- Technologies for cleaner, healthier and sustainable environment
- Techniques for addressing sustainable food and energy challenges
- Innovations and ideas for improving the quality of health-care and the quality of life
- Novel therapeutic techniques-- Challenging diseases, epidemics and their management
- New imaging techniques and rapid diagnostics systems
- Innovative digital healthcare systems
- Management practices, operations and logistics innovations for health and pharma
- Industry medical tourism
- Green and sustainable hospitals and rehabilitation centers
- Alternative medicine & therapies
- Affordable medical care systems and estimation of economic impact on end-users
- Technological, social, economic and psychological challenges on health industry
- Novel rehabilitation techniques
- Disease modeling techniques
- Drug discovery, trials and development

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### **International Conference on Management and Natural Science (ICMNS-2015)**

*Date: 13 June 2015*

*Location: Singapore*

*Topics Covered:*

- Management science methodologies and basic research methods
- Knowledge management
- Management of information systems
- Electronic business
- Related researches on operational research & operation management
- Theories of enterprise management with chinese characteristics
- Technological innovation and entrepreneurial management
- Basic problems on organizational behaviors and human resources management
- Key scientific issues on financial engineering and management
- Basic researches on regional development and policy
- Social systems and important engineering systems crisis / disaster control
- Public administration theories and methodologies
- Basic researches on macro-management and policy
- Supply chain and logistics management
- Role of IT in management
- Social media analytics

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*<http://theiier.org/Conference/Singapore/5/ICMNS/index.php>*

### **PERM - Perspectives in Enterprise Risk Management**

*Date: 16-17 June 2015*

*Location- Milan, Italy*

*Topic Covered*

- ERM frameworks
- ERM practices
- Corporate Governance and Risk Governance issues
- ERM and value – theoretical and empirical studies
- ERM's role in strategy setting and decision making
- Risk appetite framework
- Regulatory issues (including Basel, Solvency, ORSA, etc.)
- Emerging risks assessment and management
- Strategic risks (reputational risk)
- Strategic Risk Management
- Risk Management culture
- Risk-based thinking
- Case studies of ERM implementation

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*<http://www.permconference.org>*

### **International Conference on Advances in Management & Decision Sciences**

*Date: 11-12 July 2015*

*Location: Greater Noida, Uttar Pradesh, India*

*Topic covered:*

- Accounting & finance
- Financial risk management
- Performance and revenue management
- Banking and financial services, portfolio models and stock markets
- Global investment decision making
- Innovative applications in modeling & decision techniques
- Behavioral aspects of operations management
- Product, services and knowledge management
- Productivity and efficiency analysis
- Quality / productivity / risk management
- Service management
- Supply chain management
- Business ethics & corporate social responsibility
- Business innovation management
- Business law
- Decisions sciences in governmental and social sector organizations
- Economics & international business

- Innovations and entrepreneurship
- Innovations in information technology applications
- Marketing theory & practice
- Marketing research, marketing models, retailing, advertising and crm
- Organizational behavior/theory
- Strategic hrm, culture and behavioral impact on performance strategy
- Trends and challenges in family business management
- Social sciences and life sciences

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*Dr. Manisha Sharma*

*[http://gbu.ac.in/Conferences/](http://gbu.ac.in/Conferences/SOM_Conference%20Brochure2_Advances_%20in%20Mgmt_2Feb14.pdf)*

*SOM\_Conference%20*

*Brochure2\_Advances\_%20in%20*

*Mgmt\_2Feb14.pdf*

### **International Conference of Management and Behavioural Sciences**

*Date: 20-21 July 2015*

*Location: Vancouver, British Columbia, Canada*

*Topics Covered:*

- Academic advising & counselling
- Academic affairs and administration
- Accounting
- Accounting, reporting and performance measurement
- Auditing and corporate governance

- Banking
- Business law and business education
- Business statistics
- Corporate ethics
- Developed, developing & emerging countries
- Development studies
- E-business / e-commerce
- Economics
- Education administration & practices
- Employee affairs and human development
- Finance
- General management
- Governmental systems & practices
- Hospitality and hospital management
- Human resource management
- Information technology
- Innovation & technology
- International business
- Knowledge management
- Macroeconomics & government fiscal and monetary policy
- Management and computer science
- All fields of marketing
- Organisational behavior
- Political science
- Positive psychology
- Public and private pension provision
- Risk management
- Social psychology

- Social work
- Sociology
- Trade and investment flows
- Transportation systems & logistics
- World bank & foreign aid projects

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*<http://smbscanada.com/conferences.php?id=6>*

### **International Construction Business & Management Symposium 2015 (ICBMS 2015)**

*Date: 9-10 September 2015*

*Location- Kuala Lumpur, Wilayah Persekutuan, Malaysia*

*Topic Covered*

- Challenges faced by construction businesses operating in developed, and developing regions of the world
- Infrastructure development water, transportation, energy, communication
- Successful alliance and joint venture strategies
- Procurement, PPP/PFI, collaborative working
- Cultural impact on international projects and managing the human resource
- Supply chain management on international projects
- Building information modeling
- Environmental sustainability and CSR strategies

- Management of risk, health and safety on local and overseas projects
- Value management in projects
- Funding of projects and finance
- Developing a quality culture
- Harnessing information technology for project success
- Legal considerations in executing international projects
- Teaching and learning approaches in construction education and training

### *Contact Information*

*Professor Christopher Preece*  
<http://razakschool.utm.my/icbms2015/>

### **IISE—2nd Business and Management Conference**

*Date: 6-9 October 2015*

*Location: Madrid, Spain*

### *Topics Covered:*

- Business administration
- International business
- Business ethics
- Business information systems
- Management
- Human resource management
- Marketing
- Accounting and auditing
- Corporate finance
- Corporate governance

### *Contact Information:*

<http://www.iises.net/current-conferences/business-and-management/2nd-business-management-conference-madrid>

### **Contemporary Management Conference**

*Date: 8-11 October 2015*

*Location: Kraków, Poland*

### *Topics Covered:*

- Change management
- Collaborative management
- Competency management
- Entrepreneurship in management
- Event management
- Human resources management
- Innovation management
- Leadership and organizational accountability
- Lean management
- New technology in management
- Performance management
- Project management
- Risk management
- Social responsibility
- Strategic and operational management
- Team management
- Organizational learning
- Education management
- Innovation management
- Trust-based management

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<http://cmconference.wzks.uj.edu.pl/>



### **International Conference on Environmental and Materials Engineering (ICEME)**

*Date: 14 June 2015*

*Location: Berlin, Germany*

*Topics Covered:*

- Environmental engineering
  - Air pollution monitor
  - Climate change and global warming
  - Control of groundwater pollution
  - Water quality monitoring
  - Sewage treatment and utilization
  - Remote sensing and environment
  - Hydrobiology and water pollution
  - Environmental pollution risk assessment
  - Environmental chemistry
  - Environment pollution and management
  - Environmental protection engineering
  - Noise and acoustics
  - Industrial waste treatment
  - Atmospheric environment
  - Water environment
  - Electromagnetic wave and telecommunication
  - Soil environment
  - Regional environment
- Urban environment
- Environmental remediation engineering
- Resources of science and technology
- Environmental quality monitoring and assessment
- Chemical pollutants and its influence on health
- Material engineering
  - Composites
  - Nanomaterials
  - Steel and iron
  - Ceramic
  - Metal materials
  - Metal alloy materials
  - Polymer materials
  - New functional materials
  - Materials physics and chemistry
  - Thin films
  - Earthquake resistant structures, materials and design
  - Hydrogen and fuel cell science, engineering & technology
  - Surfaces, interfaces and colloids
  - Polymers and amorphous materials
  - Soft and granular matter
  - Cryogenic materials

- Testing and evaluation of materials
- Tooling testing and evaluation of materials
- Industrial materials and manufacturing
- Building materials and civil engineering
- Biomaterials and biomedical materials
- Optical/electronic/magnetic materials
- Smart/intelligent materials/intelligent systems
- Material design of computer aided
- Physics and numerical simulation of materials process
- Aerospace materials
- New energy materials
- Environmental materials
- Chemical materials
- Engineering materials
- Materials forming
- Materials machining
- Microwave processing of materials

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<http://theires.org/Conference/Germany/ICEME/>

**3rd Asia Conference on Mechanical and Materials Engineering (ACMME 2015)**

*Date: 23-24 July 2015*

*Location: Chengdu, China*

*Topics Covered:*

- Mechanical 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
- Heat exchangers & 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 and air conditioning
- Renewable and non-renewable energies
- Renewable energy
- Reverse engineering
- Robotics
- Solid and fracture mechanics

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*<http://www.acmme.org/>*

**International Conference on Chemical, Metallurgy and Material Science Engineering (CMMSE-2015)**

*Date:-10-11 August 2015*

*Location: Pattaya, Thailand*

*Topics Covered:*

- Chemical engineering
- Chemistry
- Metallurgical engineering
- Polymers
- Materials science
- Microstructural evolution in materials
- Electronic, optical, and magnetic properties of materials

- Mechanical properties of materials
- Materials processing
- Ceramics
- Metals
- Biological materials
- Electronic and photonic materials
- Magnetic materials
- Semiconductors

*contact information:*

*<http://cmmse.eacbee.org>*

**International Conference on Key Engineering Materials**

*Date: 13-14 October 2015*

*Location: Langkawi, Malaysia*

*Topics Covered:*

- Advanced characterization
- Biological materials
- Biotechnology and life sciences
- Computational materials science
- Corrosion and environmental effects
- Defects
- Devices
- Economics of materials
- Electrochemistry
- Electronic materials
- Electronic, optical, and magnetic properties
- Energy and environmental technology
- Information and telecommunications technology
- Magnetic materials
- Manufacturing

- Materials culture
- Materials for energy and environmental applications
- Materials processing
- Materials theory
- Mechanical behaviour of material
- Mechanical properties and nanomechanics
- Nanotechnology
- Optical and photonic materials
- Organic polymer materials
- Phase transformations
- Self assembly
- Shape deposition manufacturing
- Surfaces, interfaces, and thin films deposition
- Transport properties
- Applied chemistry
- Biochemical engineering
- Biochemistry
- Biomedical engineering
- Cell and tissue engineering
- CFD
- Chemical industries challenges
- Chemistry and chemical engineering education
- Desalination
- Electrochemistry and electrochemical engineering
- Fluid dynamics, heat transfer, and mass transfer
- Food processing
- Green chemistry
- Nanotechnology
- Non-newtonian flow and heat transfer

### *Contact Information:*

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Malaysia*

*Tele:+6016-2034989 (B. Malaysia)*

*+6016-7672061 (English)*

*<http://ickem2015.weebly.com>*

*[www.ipnmalaysia.org](http://www.ipnmalaysia.org)*

### **Asia-Pacific Conference on Chemical and Material Engineering (ACCME'15)**

*Date: 14-15 November 2015*

*Location: Dubai, UAE*

*Topics Covered:*

- Air, water, wastewater, and soil management and treatment

- Petroleum engineering
- Pharmaceutical industries
- Process engineering and control
- Process modeling and simulation
- Renewable chemicals
- Rheology
- Safety and standardization
- Separation processes
- Synthesis and characterization of catalysts
- Thermodynamics
- Transport phenomena

### *Contact Information:*

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### **Strategic Electronics and IT Applications: Conference and Exhibition**

*Location: Singhania House, PHD House, New Delhi, India*

*Date: 29 May 2015*

*Topics Covered:*

- Advanced mathematical and statistical analysis
- Antenna systems
- Artificial intelligence (AI)
- Avionics
- Battlefield optoelectronics
- Communication systems, secrecy & security
- Communications intelligence
- CAD and simulation
- Data links
- Day vision devices
- Direction finding
- Electronic components
- Electronic intelligence
- Electronic warfare systems-ESM
- Fibre optics systems
- Fire control systems
- Geographic information system
- Ground controlled interception
- Hard/software of subsystems
- High performance computing
- Image processing & analysis
- Information systems & security
- Infra-red search & track systems
- Intelligent systems
- Laser materials and sensing
- Laser sensors & warning
- Microwave & millimeter systems
- Microwave power modules.
- Multi mission radar (MMSR)
- Multichannel digital receivers
- Night vision devices
- Parallel processing technology
- Patch array antenna in s, c, x and ku band
- Photonic & holographic products
- Processor related technology
- Radar data processors
- Radar imaging through ISAR
- Robotics
- Satellite communication
- Semiconductors
- Signal processing

- Simulation studies
- Software radios
- Solid state laser sources, transmitters
- Space time management
- Speech analysis - recognition
- Surveillance radar
- System engineering, integration
- Tactical control radar
- Target acquisition systems
- Terrain evaluation
- Test & measurement
- Weapon locating radar
- Weapon system simulation

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*<http://www.imrmedia.in/events/uploads/events/brochure/file/Brochure%20Defence%20Electronics-PHDC%20Low%20res.pdf>*

### **SPIE Security+Defence 2015 Conference**

*Date: 21-24 September 2015*

*Location: Toulouse, France*

*Topics Covered:*

- Unmanned/unattended sensors and sensor networks
- Electro-optical and infrared systems: technology and applications
- Electro-optical remote sensing
- Technologies for optical countermeasures
- Military applications in hyperspectral imaging and high spatial resolution sensing
- Free-space optical communication techniques & applications
- MM wave & terahertz sensors and technology
- Optical and biomaterials in security & defence systems
- Optics and photonics for counterterrorism, and defence
- Quantum information science and technology
- High-power lasers: Technology

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## DESIDOC SERVICES

DESIDOC has taken initiative to provide a single window information service on the latest developments in the frontier areas of science, technology and engineering to the Defence R&D community. DESIDOC supplies further information/copies of articles on demand by the scientists from the DRDO labs within least possible time through Fax, Speed Post or e-mail. The following services are currently offered by DESIDOC through DESIDOC single window webpage on intranet:

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- Defence Science Journal Digital Library
- DESIDOC Journal of Library and Information Technology Digital Library
- Digital Library of Translated Documents
- Digital Reference Desk
- DRDO Blog
- DRDO Current Periodicals
- DRDO E-Journals Consortium
- DRDO Institutional Repository (Gyansrota)
- DRDO Publications
  - *Defence Science Journal*
  - *DESIDOC Journal of Library & Information Technology*
  - *DRDO Monographs/Special Publications*
  - *DRDO Newsletter*
  - *DRDO Samachar*
  - *DRDO Science Spectrum*
  - *DRDO Technology Spectrum*
  - *Technology Focus*
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