**Call for papers**

**The topics of interest include but are not limited to :**

**Advanced Computing**

Parallel and Distributed Computing;

Smart Grid

Cluster and P2P Computing

Supercomputing

Cloud Computing

Fog computing

Informatics and Scientific Computing

Hadoop and Map Reduce techniques

Mobile Computing

Pervasive/ubiquitous computing

Web services and Internet computing

High Performance Computing

Green and Sustainable Computing

**Information Systems**

Internet and Web Applications

E-Learning System

E-commerce and E-governance

Computer Based Education

Numerical Methods and Algorithms

Performance Evaluation

Computer analysis and simulation

Optimization techniques

Social Network Analysis

Ontology

Computers in Education and Learning Technologies

Internet and information systems development

Human-Computer Interaction

Scheduling Algorithms

**Software Engineering**

Software metrics

Software tools and development environments

Software policy and ethics

Knowledge-based software engineering

Requirements engineering

Software architecture and design

Software reuse and evolution

Model-driven software engineering

Automated testing and analysis

Software processes and workflows

Reverse engineering and re-engineering

Service-oriented architectures

**Data Mining & Data Engineering**

Deep Learning

Data preprocessing and data cleaning

Feature selection and extraction

Clustering and classification

Association rule mining

Data warehousing and OLAP

Text and web mining

Information fusion

Big Data Analytics

Data Integration, Interoperability, and Metadata

Ubiquitous Data Management and Mobile Databases

Data Structures and data management algorithms

XML data processing and algorithms

Distributed, parallel, Peer to Peer databases

Databases applications

Knowledge Data Engineering

Temporal and multimedia databases

Data storage

**Intelligent Systems**

Artificial intelligence

Machine learning

Theoretical Computer Science

Computational intelligence

Support vector machines

Decision Support Systems

Natural Language Processing

Neural Networks

Soft computing

Autonomous Agents

Decision trees

Expert Systems

Nature-inspired computation

Bio-inspired algorithms

Fuzzy systems and applications

Genetic algorithms

Semantic web

Knowledge representation techniques

Rough sets

**Network Engineering**

Wireless Communications and Networking

IoT (Internet of things)

Ad Hoc and sensor Networks

Mobile communication

Delay tolerant networks

Steganography and Steganalysis

Computer and Network Security;

Cryptography and cryptanalysis

Routing Protocols

Vehicular networks

Intrusion detection and countermeasures

Mobile and Wireless networks security

Optical network security

E-Government security

Watermarking & authentication

Software Defined Networks

**Multimedia**

Image Processing

Restoration

Feature extraction

Pattern Recognition

Interpolation & super-resolution;

Segmentation

Motion analysis & tracking

Content-based retrieval

Speech & language processing

Graphics and Visualization