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Topics in Software Engineering and Knowledge Engineering

- Software Engineering Methodologies
- Agent-Based Software Engineering
- Artificial Intelligence Approaches to Software Engineering
- Component-Based Software Engineering
- Embedded and Ubiquitous Software Engineering
- Aspect-Based Software Engineering
- Empirical Software Engineering
- Search-Based Software Engineering
- Automated Software Design and Synthesis
- Computer-Supported Cooperative Work
- Automated Software Specification
- Reverse Engineering
- Software Engineering Techniques and Production Perspectives
- Requirements Engineering
- Software Analysis, Design and Modelling
- Software Maintenance and Evolution
- Software Engineering Tools and Environments
- Software Engineering Decision Support
- Software Design Patterns
- Software Product Lines
- Process and Workflow Management
- Reflection and Metadata Approaches
- Program Understanding and System Maintenance

- Software Domain Modelling and Analysis
- Software Economics
- Multimedia and Hypermedia Software Engineering
- Software Engineering Case Study and Experience Reports
- Enterprise Software, Middleware, and Tools
- Artificial Intelligent Methods, Models, Techniques
- Artificial Life and Societies
- Swarm Intelligence
- Smart Spaces
- Autonomic Computing and Agent-Based Systems
- Autonomic Computing
- Adaptive Systems
- Agent Architectures, Ontologies, Languages and Protocols
- Multi-Agent Systems
- Agent-Based Learning and Knowledge Discovery
- Interface Agents
- Agent-Based Auctions and Marketplaces
- Secure Mobile and Multi-Agent Systems
- Mobile Agents
- SOA and Service-Oriented Systems
- Service-Centric Software Engineering
- Service Oriented Requirements Engineering
- Service Oriented Architectures
- Middleware for Service Based Systems
- Service Discovery and Composition
- Service Level Agreements (Drafting, Negotiation, Monitoring and Management)
- Runtime Service Management
- Semantic Web
- Data Modelling, Mining and Data Analytics
- Aggregation, Integration, and Transformation
- Web and Text Mining
- Data Mining Methods, Techniques, and Tools
- Data Analytics Modelling and Algorithms
- Patterns and Frameworks
- Data Visualization
- Knowledge Systems and Engineering
- Knowledge Acquisition
- Knowledge-based and Expert Systems
- Knowledge Representation and Retrievals

- Knowledge Engineering Tools and Techniques
- Time and Knowledge Management Tools
- Knowledge Modelling, Integration, Transformation, and Management, Uncertainty Knowledge Management
- Knowledge Visualization
- Mobile Computing and Mobile System Engineering
- Mobile App Design and Development
- Innovative Mobile Applications
- Pervasive Computing
- Mobile System Validation and Test Automation
- Software & System Quality of Service
- Soft Computing
- Software and System Testing Methods
- Quality Assurance Process, Standards, and Systems
- Software Safety Systems
- Software Test Automation and Tools
- Software Dependability, Reliability, Scalability
- Software & System Security
- Software and System Security and Privacy
- Mobile App Security and Privacy
- Encryption Methods and Tools
- Security Service Systems
- Cloud, Sensor Cloud and Mobile Cloud Security
- Mobile System Integrity, Security, and Fault Tolerance
- Emergent Topics
- Cloud Computing and Innovative Cloud-Based Application Systems
- Mobile Cloud Computing and Application Services
- Big Data Analytics Application Systems
- Innovative Sensing Cloud and Systems
- Large-Scale Cyber Systems
- IoT and Smart City Application Systems
- Big Data Quality Validation
- Big Data Application Quality Services
- Smart Learning and Innovative Education Systems
- Learning Software Design Engineering
- Smart Learning Methods and Environments
- Online Learning Systems
- Mobile Enabled Learning Systems and Tools