### TC Name Keywords

#### 5.1. Manufacturing Plant Control
- Additive manufacturing
- Advanced manufacturing
- Advanced planning and scheduling
- Assembly and disassembly
- Bio-inspired manufacturing systems and self-organization
- Cyber-physical production systems
- Dependable manufacturing systems control
- Digital twins for manufacturing
- Discrete event systems in manufacturing
- Flexible and reconfigurable manufacturing systems
- Holonic manufacturing systems
- Human-centric manufacturing
- Intelligent maintenance systems
- Intelligent manufacturing systems
- Life-cycle control
- Maintenance engineering and management
- Maintenance models and services
- Manufacturing plant control
- Multi-agent systems applied to industrial systems
- Prognostics
- Smart assembly
- Smart factory
- Smart manufacturing
- e-Manufacturing technologies and facilities

#### 5.2. Management and Control in Manufacturing and Logistics
- Facility planning and materials handling
- Human-automation integration
- Industry 4.0
- Inventory control
- Job and activity scheduling
- Logistics in manufacturing
- Modeling of assembly units
- Modeling of manufacturing operations
- Operations research
- Procedures for process planning
- Process supervision
- Production activity control
- Production planning and control
- Quality assurance and maintenance
- Risk management
- Smart manufacturing systems
- Supply chain management
- Supply chains and networks
- Sustainable Manufacturing

#### 5.3. Integration and Interoperability of Enterprise Systems
- AI-based enterprise systems
- Business process management systems
- Collaborative networked organizations principles
- Cyber physical system
- Cyber-physical-social systems
- Decentralized information systems
- Digital enterprise
- Digital transformation
- Enterprise Reference Models and Their Verification, Validation, and Accreditation
- Enterprise integration
- Enterprise interoperability
- Enterprise modelling and BPM
- Enterprise networks design and implementation
- Internet of services and service science
- Internet-of-Things and sensing enterprise
- Interoperability standards
- Model-driven systems engineering
- Protocols and information communication
- Systems interoperability

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**CC5. Cyber-Physical Manufacturing Enterprises**

At the time of submission of your paper in PaperPlaza, by first selecting "Cyber-Physical Manufacturing Enterprises", the following keywords in the right column will be listed. By selecting one of them as your "1st keyword", your paper will be handled and reviewed by the members of the IFAC Technical Committee (TC) shown in the left column. For more on Technical Committees under this theme, please see https://tc.ifac-control.org/5.
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<td>Decentralized and distributed control</td>
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<td>Distributed navigation and control of unmanned autonomous vehicles</td>
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<td>Hierarchical multi-level and multilayer control</td>
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<td>Integrated monitoring, control and security for critical infrastructure systems</td>
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