

CC3. Computers, Cognition and Communication

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TC Name	Keywords
3.1. Computers for Control	Alarm analysis
	Control software architecture
	Control software maturity and analysis
	Embedded computer architectures
	Embedded computer control systems and applications
	Industry 4.0
	Logical design, physical design, and implementation of embedded computer systems
	Model driven engineering of control systems
	Multi agent systems
	Programmable logic controllers
	Real-time algorithms, scheduling, and programming
3.2. Computational Intelligence in Control	Adaptive neural and fuzzy control
	Data fusion and data mining in control
	Evolutionary algorithms in control and identification
	Fuzzy and neural systems relevant to control and identification
	Hybrid computational intelligence techniques
	Knowledge-based control
	Machine learning in modelling, prediction, control and automation
	Neurodynamic optimization and adaptive dynamic programming
	Reinforcement learning and deep learning in control
	Robust neural and fuzzy control
	Soft computing in control
3.3. Telematics: Control via Communication Networks	Internet of Things
	Remote and distributed control
	Remote sensor data acquisition
	Remote servicing
	Smart energy grids
	Spacecraft servicing
	Tele-education
	Tele-maintenance
	Tele-medicine
	Tele-presence
	Tele-robotics
	Telecommunication-based automation systems
	Traffic control systems