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- Design theory and methodology
- Dynamic traffic signal control
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- Intelligent control systems
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- Mechanics of materials
- Dynamics of machines, vehicles and flying structures
- Mechanisms, mechanical transmissions and machines
- Manufacturing engineering
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- Haptics and human-machine-interfaces
- Robotics, mechatronics and micro-machines
- Intelligent traffic control
- Intelligent systems
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- Robotics and robot applications
- Kinematics, dynamics, and control of mechanical systems

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