

Control

- Machine Drives and Control Systems
- Modern Digital Control

Computer

- Algorithmic Approaches to Designing Digital Systems
- Bioinformatics
- Data Compression
- Data Mining
- Embedded Systems
- Microprocessor and Microcomputer based Protection
- Machine Learning
- Pattern Recognition

Communications

- Antenna Theory
- Digital Communications
- Digital Signal Processing

- Estimation Theory
- Fiber Optics Communications
- Image Processing and Analysis
- Multiple Input Multiple Output and Orthogonal Frequency Division Multiplexing (MIMO-OFDM)
- RF Communications
- Satellite Communications
- Software Defined Radios

Power

- Arcing in High Voltage
- Fuses and Circuit Breakers
- High Voltage Engineering and Substation Design Protection
- Power Electronics
- Power Transmission and Distribution of Electrical Machine Analysis
- Renewable Energy