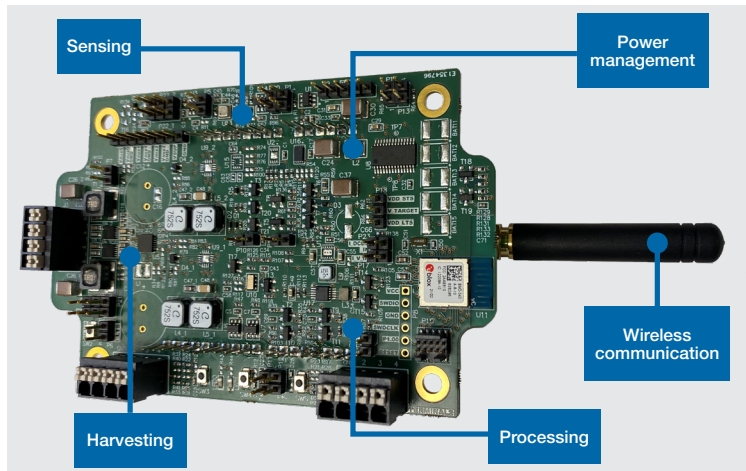


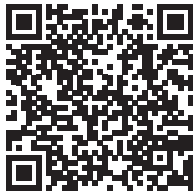
## Embedded Processing and Communication



- Research projects
- System concepts and feasibility studies
- Development of Hardware and Firmware
- Evaluation of technologies and components
- Proof-of-concepts
- Reference implementations

Edge AI, IoT Security, Low Power & Energy Harvesting,  
Safety & Reliability, Wireless Communication, Real-Time





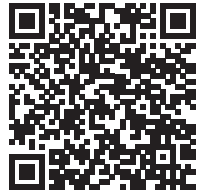
**High Integrity Systems**  
Prof. Hans Dermot Doran



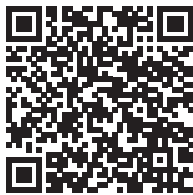
**Communication Network Engineering**  
Dr. Martin Ostertag



**Low-power Wireless Embedded  
Systems**  
Prof. Dr. Marcel Meli



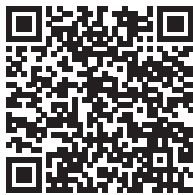
**System on Chip Design –  
Embedded AI and Edge Processing**  
Tobias Welti



**System on Chip Design –  
Distributed Communication Systems**  
Dominique Cachin



**Energy Self-Sufficient Systems**  
Prof. Dr. Juan-Mario Gruber



**Internet of Things**  
Dr. Simon Künzli



**Realtime Platforms**  
Prof. Dr. Matthias Rosenthal