Fundamental Technology on Dependable SoC/SiP for Embedded Real-Time Systems

SoC for Distributed Real-Time Systems
- IPC Control: Program Speed Control
- Responsive Link: Real-Time Communication (ISO/IEC 24740)

Hardware/Software Codesign
D-RMTP SoC

SoC/SiP Codesign
30mm sq. D-RMTP SiP

High-Power Motor Driver

High-Power Leg
- 80V-200A Motor Driver
- Noise & Heat Tolerance Required for SiP/SoC

Dependable Processor, Communication, and OS for Real-Time Systems

QoS Theory
Noise & Heat Tolerance Required for SiP/SoC

High Degree of Freedom
100-DOF

Humanoid

Responsive Link: Real-Time Communication (ISO/IEC 24740)