Signalton Technology

Custom digital systems with embedded AI for edge-computing IoT sensor networks

- **SigMote**: Edge-computing with advanced embedded signal analysis based on DSP, computer vision, and AI algorithms.

- **DataMote**: IoT data collection for cloud-side AI.

- Cellular/Wireless cloud connectivity for sensor and actuator networks.

- Have developed smart solutions for various real life problems:

AQNS: Air Quality and Noise Sensing
(Smart city, transportation, environment, health)

Locomopt: Micromobility Vehicle Tracking and Control
(Smart City, transportation, environment)

AVAS: Acoustic and Vibration Analysis
Anomaly Detection, Preventive/Predictive Maintenance
(Smart Manufacturing, energy, environment, health)

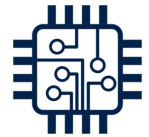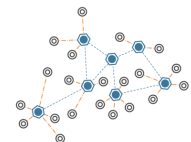**SigMote**   **DataMote**

Electronic Design

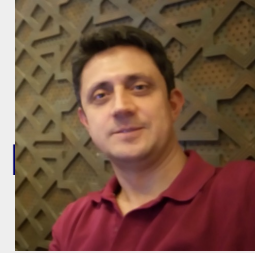Embedded Software

Artificial Intelligence

Cloud Informatics

Web / Mobile Apps

Wireless Networks

Technical contribution to HORIZON-HLTH-2024-ENVHLTH-02-06

- Bring in our proven hardware, AI, DSP, and software technology and system design expertise.

- Expert electrical-electronics-computer engineering team.

- Years of experience on signal analysis, acoustic/audio signal processing, computer vision, machine/deep learning algorithms and data fusion.

- Have participated in an number of HE proposals originating from our own ideas in CL3, CL4, and CL5.

- Can participate as a partner or a technical coordinator.

Dr.

Founder / CEO / CTO

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