

Energy: Multimodal bidirectional

Mobility: Electrical, connected & autonomous vehicles

Digital Industry: Industry 4.0, Collaborative Robots

Health & Wellbeing: Individualized / personalized medicine & care

Autonomous Systems: Multifunctional Integration and Functional Electronics, Trust-worthiness

Wafer-scale heterogeneous **silicon photonics**

Materials: Highly performant, Lifecycle optimized

Programmable photonic ICs

New materials, devices, technology, infrastructure including measurement

AI HW from approximate to analog computing

Quantum Technologies: Q-Sensing, Q-Computing, Q-Communication

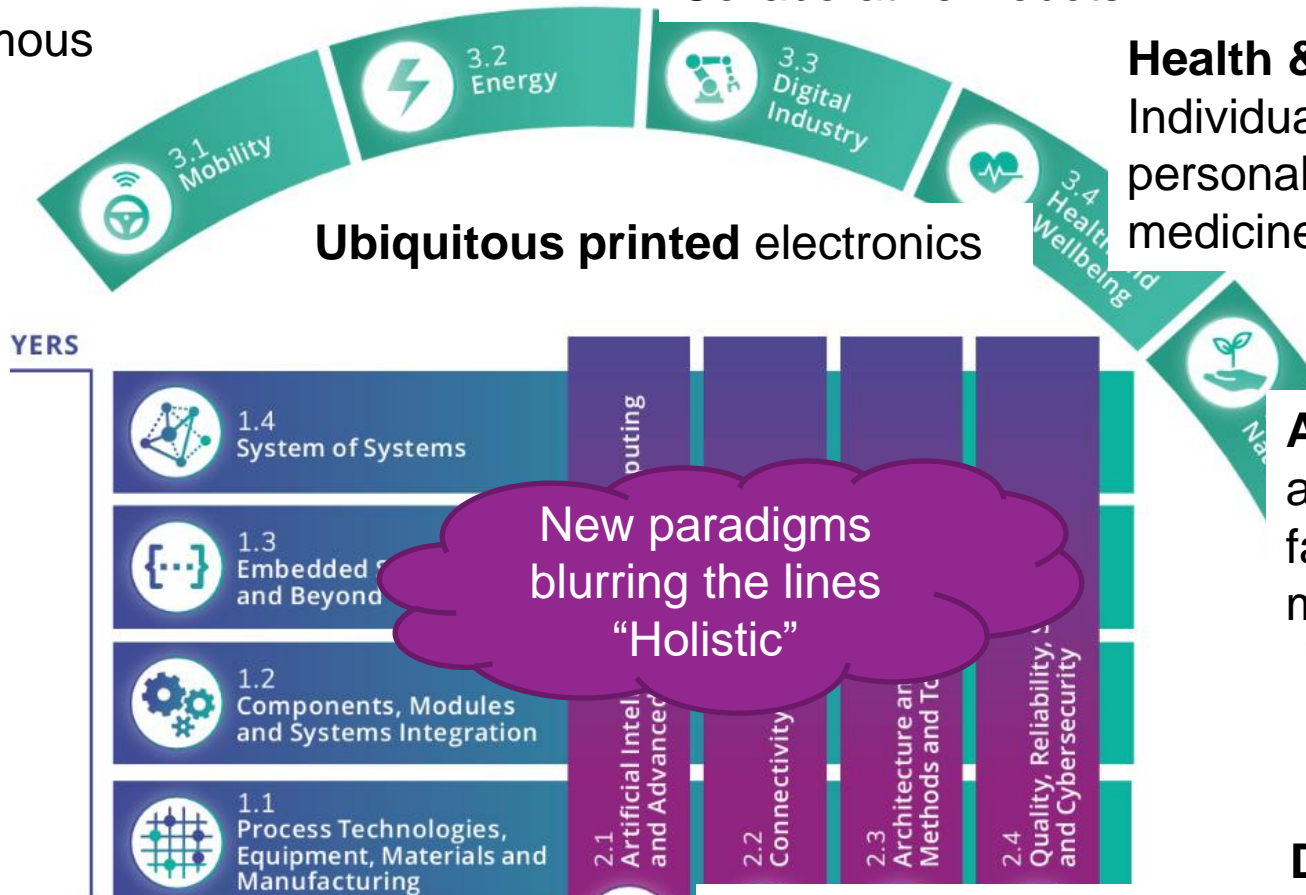
Frugal AI devices: Algorithms, technologies and Circuit solutions

Smart Networks: Trustable AI everywhere, efficient use of spectrum

Open Source HW as innovation enabler

AgriFood: smart, autonomous, sustainable farming, biodegradable materials, animal welfare

Digital Society: Comprehensive services with **full privacy**



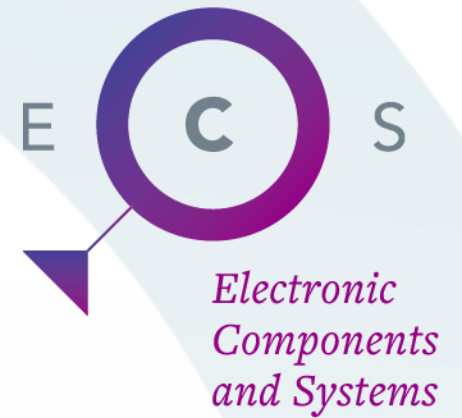
Ubiquitous printed electronics

New paradigms blurring the lines "Holistic"

Electronic Components and Systems



Next steps



- Integration into Long Term Vision chapter
- Open consultation period around EFEC

Thank you to all !