EnerHarv 2024

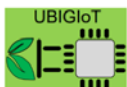PSMA International Workshop | 26-28 June, 2024 | Perugia, Italy

WELCOME!

BENVENUTI!

Opening Comments

Roberto La Rosa
Mike Hayes
Brian Zahnstecher
Francesco Cottone

Wednesday, June 26, 2024

Context: What is the Power IoT challenge?

We MUST find ways to make batteries last longer – how?

1. Make batteries that supply more energy

2. Reduce power consumption of the IoT device

3. Use ambient energies – Energy Harvesting
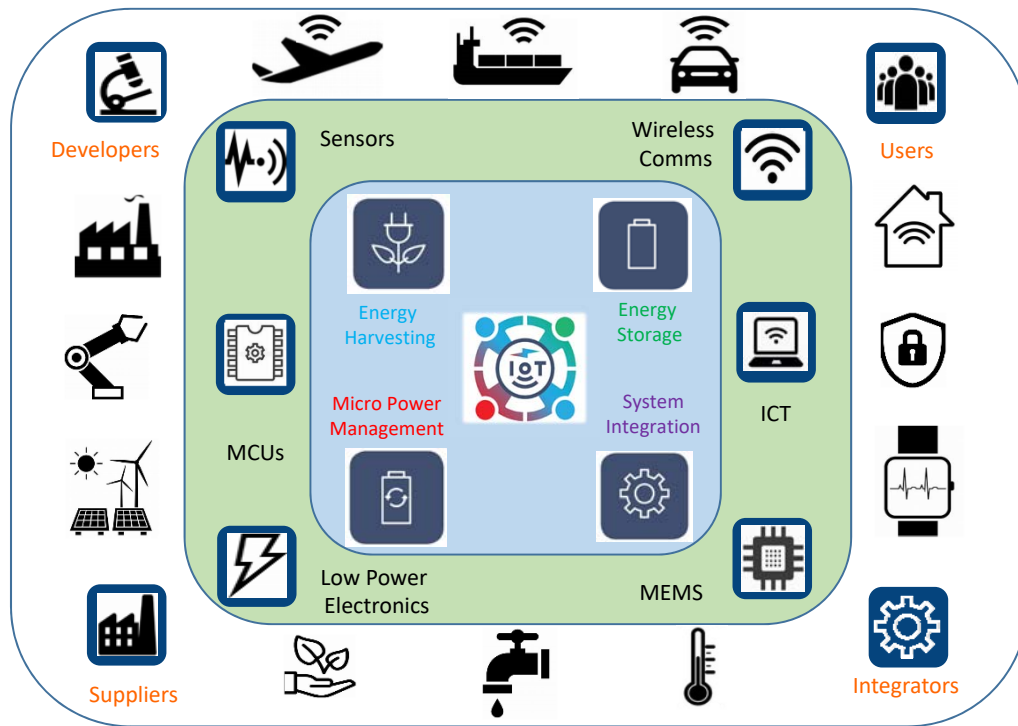
Heat (thermoelectricity)   Vibration/kinetic   Light/Solar (PV)

Driven by our need to create a Power IoT ecosystem

Developers
Sensors
Wireless Comms
Users

Energy Harvesting
Energy Storage

Micro Power Management
System Integration

MCUs
ICT

Low Power Electronics
MEMS

Suppliers
Integrators

Create a face to face workshop for a community of expertise to foster collaboration and info share

EnerHarv 2024

PSMA

A big **thank you** to our Commercial Sponsors

A big **thank you** to our Technical Sponsors & Committee
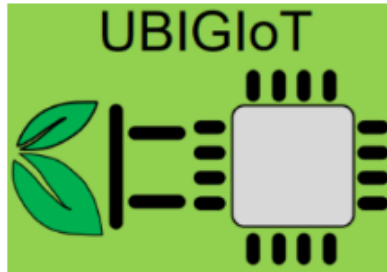
Quick History and Way Forward

- Driven by PSMA EHC & need for a collaborative industry academia workshop

- ….. it's YOUR event, please engage, inform, interact, challenge, collaborate.

- ….. how can we improve?

- Inaugural EnerHarv 2018 at Tyndall, Cork.

- 2nd EnerHarv in 2022 at NSCU, N. Carolina, USA

- Planning to alternative between EU & N. America every 2 years and hopefully extend to Asia at some stage

- **3rd EnerHarv, Perugia TODAY**

ANDIAMO!

EnerHarv 2024

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Energy Harvesting — An EPSRC Funded Network

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