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EnerHarv 2024



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Technology Factory

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

EnerHarv 2024 Workshop:

Energy Harvesting Network

ORGANIZER
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HOWEPOWER
Bodo's Power Systems



Presented By – Alex Weddell

University of Southampton
asw@ecs.soton.ac.uk

Wednesday, June 27, 2024

TECHNICAL SPONSORS



IEEE POWER ELECTRONICS SOCIETY
Powering a Sustainable Future



IEEE ELECTRONICS PACKAGING SOCIETY



SIMON FRASER UNIVERSITY
ENGAGING THE WORLD





P2024 MEMS+

Power MINIATURE ENERGY SYSTEMS

18–21 NOVEMBER 2024 • Tønsberg, NORWAY



The 23rd International Conference on
Micro and Miniature Power Systems, Self-Powered Sensors and Energy
Autonomous Devices

Abstract Deadline:
Monday, 15 July 2024

Papers archived within IEEE Xplore

Sponsored by:



Network Summary

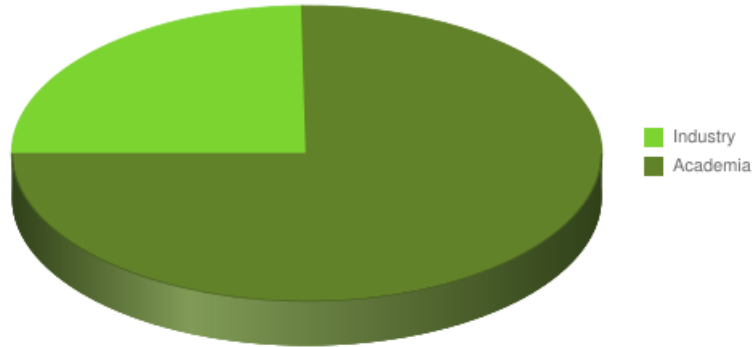
-  **Founded in March 2010.**
-  **Initially funded by EPSRC for 3 years, and later supported by KTN Energy Harvesting Special Interest Group.**
-  **Dissemination events and workshops.**
-  **Webpage contains workshop reports and EH data repository to facilitate data sharing amongst researchers.**
-  **Network currently managed, and events organised, by:**
 - University of Southampton
 - Aston University
 - Other Steering Board members

Membership

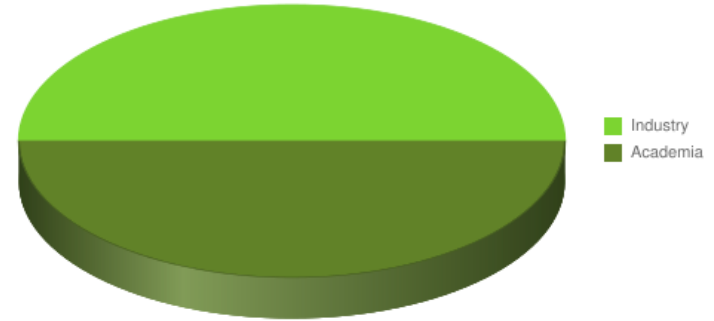
 **Open to all with an interest in energy harvesting**

 **518 companies and institutions**

Registered Members



Registered Companies/Institutions



Steering Board

 **16 members, across academia and industry**

Alex Weddell, University of Southampton	Haydn Thompson, THHINK Wireless Technologies
Chris Bowen, University of Bath	Markys G Cain, Electrosiences Ltd
Costis Kompis, Vodera Ltd	Martin Judd, HF Diagnostics & Engineering Ltd
Dibin Zhu, Shanghai Jiao Tong University	Robert Dorey, University of Surrey
Eric Yeatman, Imperial College London	Simon Aliwell, Zartech Ltd
Geoff Merrett, University of Southampton	Steve Beeby, University of Southampton
Jerry Luo, Cranfield University	Steve Burrow, University of Bristol
Michail Kiziroglou, Imperial College London	Yu Jia, Aston University

Initial Objectives of the Network

1. To define the **new research challenges** required to deliver on the potential of EH, to catalyse the creation of the new multidisciplinary teams required to address these challenges.
2. To facilitate the **interaction and mobility** of researchers.
3. To ensure that the advances in the science and the developments of the technology are more widely **disseminated**, particularly to potential **end user communities**.

Evolution of the Network



Initial work on identifying opportunities and challenges

- White papers and reports – on www.eh-network.org



Data repository

- Made available through EH Network, then EnABLES project



Annual dissemination events















Energy Harvesting for Structural Monitoring

a roadmap to new research challenges

Produced by:




The Energy Harvesting Network

Dissemination Events

-  Energy Harvesting 2011, London
-  Energy Harvesting 2012, London
-  Energy Harvesting 2013, London
-  Energy Harvesting 2014, London
-  Energy Harvesting 2015, London
-  Energy Harvesting 2016, London
-  Energy Harvesting 2017, Manchester
-  Energy Harvesting 2018, Bristol
-  Energy Harvesting 2019, London (*co-located* with MCEC)
-  Energy Harvesting 2020, online (previously planned for Birmingham)
-  Energy Harvesting 2021, online (*co-located* with PowerMEMS 2021)
-  Energy Harvesting 2024, Cranfield



Interested in Joining the Network?

-  **UK-focussed, but open to all!**
-  **Join “Energy Harvesting Network” on LinkedIn.**
-  **Find out about future events.**

