



Newsletter Issue #3

Welcome to the 3rd issue of the EMPHASIS newsletter! This issue highlights significant events and recent publications. You will see that our partner INRIM was particularly active in the past few months spreading the word about the most recent results in the field of supercapacitors at various conferences. You can read an interview with Nikolaos Samartzis from FORTH, who recently earned an award for his oral presentation at SSC 2024. And with the publication of the animated EMPHASIS video, we have reached a special milestone.

We hope you enjoy the read and continue to follow our journey towards advancing supercapacitor technology!

EMPHASIS releases first animated video

The **EMPHASIS project** has launched its first animated video, now available online. This engaging video highlights the project's mission, innovations, and key achievements in advancing supercapacitor technology.



[Watch the video here.](#)

[Meet the team](#)

Interview series with young researchers

Our interview series continues, giving young researchers the opportunity to tell us about their tasks in the project and share their experiences.



In our latest interview, we introduce **Nikolaos Samartzis** working at Foundation for Research and Technology - Hellas (FORTH). Nikolaos shares insights into his work and the exciting developments in supercapacitor technology that he's contributing to.

[Read the full Interview here.](#)

Nikolaos Samartzis Awarded at SSC 2024; Workshop on Energy Storage Innovations featuring EMPHASIS project

Nikolaos Samartzis from FORTH received an award at SSC 2024 for his presentation on graphene/metal-based nanohybrids for energy storage. Additionally, EMPHASIS co-organized a workshop on electrochemical energy storage technologies, featuring key presentations, including Dr. Apurba Ray from DLR.



[Find more about the award here.](#)

[More about EMPHASIS: Media section](#)

You are interested in finding out more about **EMPHASIS**? Then we have something for you: On our website, you will find the electronic version of our leaflet and a fact sheet for download. We will stock this section throughout the project with useful and interesting material.

[Download the materials here.](#)

Events

EMPHASIS at IEC TC 113 Meeting

On **April 24, 2024**, **INRIM** introduced the EMPHASIS project at the **IEC TC 113 meeting** in **Seoul, South Korea**. The presentation highlighted EMPHASIS' advancements in supercapacitor technology, supercapacitor technology, highlighting relations to nanotechnology standardization.

[Find more information here.](#)

Eventful June: EMPHASIS 2nd Progress Meeting and Joint Workshop with MetSuperCap

June was a busy month for the **EMPHASIS** project. The team held its **2nd Progress Meeting** and organized a **joint workshop** with the **MetSuperCap** project. These events provided a platform for partners to discuss recent developments and exchange insights on supercapacitor technology, fostering collaboration within the Horizon Europe framework.



[You will find more about the event here.](#)

EMPHASIS Project Results Presented at ET2024 Conference

The EMPHASIS project recently presented its latest findings at the ET2024 Conference. The INRIM team showcased significant advancements in supercapacitor technology,

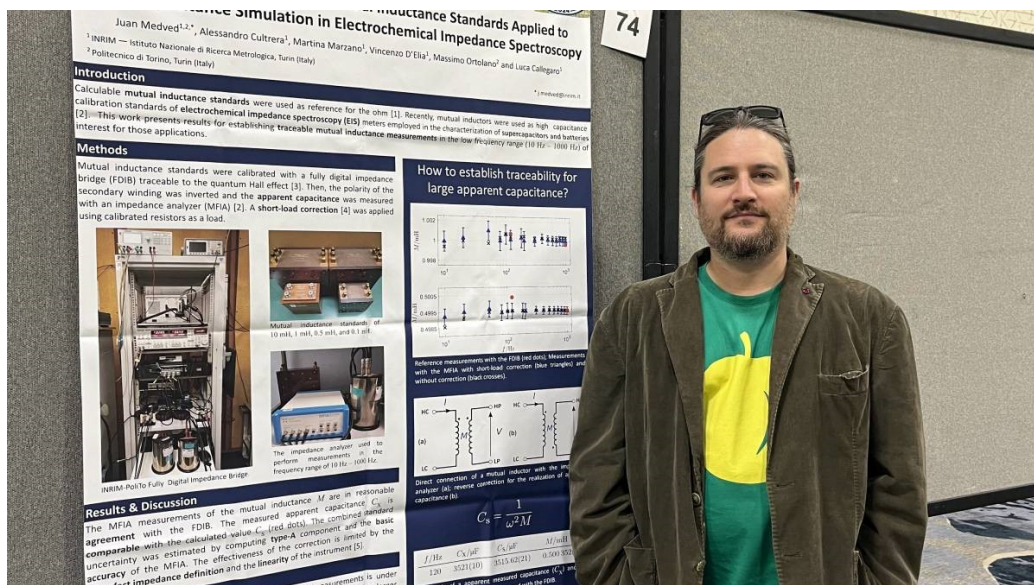
engaging with experts and industry leaders to discuss future developments and collaborations.



[Find more here.](#)

INRIM at CPEM Event in Denver, USA

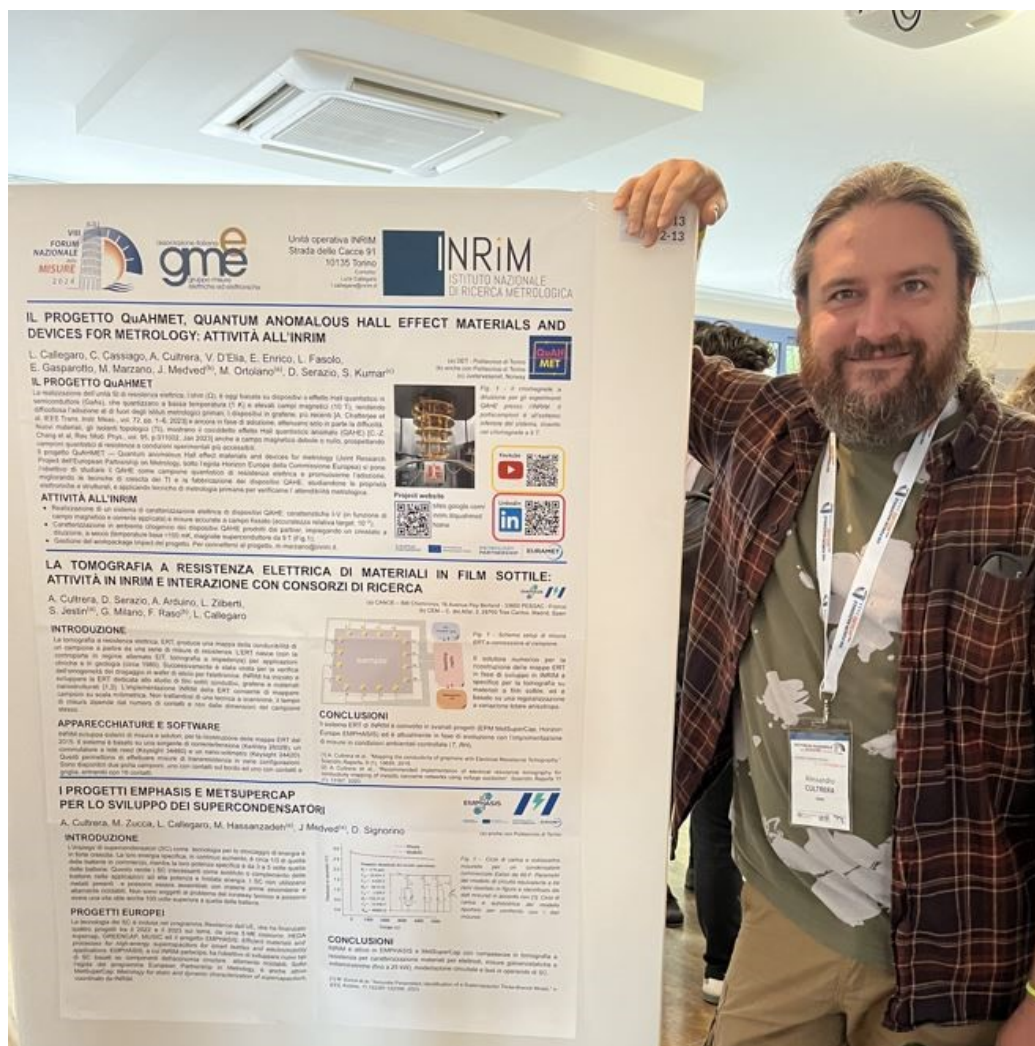
The **INRIM** team represented the EMPHASIS project at **CPEM** in **Denver, USA**. This gathering provided a platform to present EMPHASIS' progress in supercapacitor research to a global audience, fostering discussions on metrology in electrical measurements.



[Read more here.](#)

INRIM joined the 8th Forum Nazionale delle Misure

Alessandro Caltura from INRiM (Istituto Nazionale di Ricerca Metrologica) participated in the 8th Forum Nazionale delle Misure, held in San Vincenzo, Italy, from September 12 to 14, 2024. The Forum, which serves as Italy's national congress for electrical and electronic measurements, brought together experts from universities and research institutions across the country.



[Read the full article here.](#)

CANOE attends the GFC Dornbirn 2024 event

Simon Jestin from CANOE highlighted the EMPHASIS project at GFC Dornbirn 2024, showcasing doped cellulose fibers for carbon electrodes in supercapacitors, emphasizing their increased energy density and sustainability.



[Read about the event here.](#)

Publications

New Publication: Direct Graphene Deposition for Microflexible Supercapacitors

The EMPHASIS project team has published a new paper on Direct Graphene Deposition via a Modified Laser-Assisted Method for Interdigitated Microflexible Supercapacitors. This research presents an innovative approach to enhance supercapacitor performance, contributing significantly to the field of energy storage technologies.

[Read the full publication.](#)



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