Call for Papers

MEEP 2027
Microbial/Enzymatic Electrochemistry Platform

Microbial, Enzymatic & Bio-Photovoltaic Electrochemical Reactors

Fuel Cells & Electrolyser Systems

7th International

MEEP Conference

29 June – 1 July 2027, Lucerne Switzerland

Chairs

Prof. Ioannis Ieropoulos
University of Southampton, UK

Assoc. Prof. Grzegorz Pasternak
Wroclaw Uni of Science & Technology, Poland

Asst. Prof. Argyro Tsipa
University of Cyprus, Cyprus

FEATURING Bio-electrochemical Systems:

- **Biology & Reaction Cascades**
- **New Materials, Surfaces, Processes & Biohybrids**
- **Modelling & Computing**
- **Reactor Engineering**
- **Scale-up, Applications, Sustainability & Economics**

Organised by:
EFCF – European Electrolyser & Fuel Cell Forum

www.I-MEEP.com

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Microbial, Enzymatic & Bio-Photovoltaic Electrochemical Reactors

Bio-Electrochemical Systems
Fuel Cells & Electrolysers

Chaired by: **Prof. Ioannis Ieropoulos** Uni. of Southampton, UK
Assoc. Prof. Grzegorz Pasternak Wroclaw Uni. of Science & Technology, PL
Asst. Prof. Argyro Tsipa Uni. of Cyprus, Cyprus

Featuring:
- ➔ Biology & Reaction Cascades
- ➔ New Materials, Surfaces, Processes & Biohybrids
- ➔ Modelling & Computing
- ➔ Reactor Engineering
- ➔ Scale-up, Applications, Sustainability & Economics

Scope of the Conference

www.i-meep.com/**Scope**

The aim of the 7th International MEEP Conference is to bring together key knowledge on biology & reaction cascades, new materials, and biohybrids & surfaces in the field of bio-electrochemistry. The conference has traditionally acted as the place to bring the scientific community together to present the state of the art in, and broad applicability of, bioelectrochemical systems, including the production of value-added chemicals, the upcycling and detoxification of biomass-derived waste streams, and the development of advanced sensing technologies. Special emphasis will also be given to reactor design and scale-up, as well as the sustainability and economic viability of emerging applications.

We welcome oral & poster contributions that describe applications, materials for key components such as electrodes & membranes, and reactors on different technology readiness levels, with the objective of paving the way for new international research collaborations, whilst boosting the momentum of applied bio-electrochemical research. Contributions are therefore encouraged from researchers in the fields of natural sciences and engineering, but also specialists on economic feasibility and life cycle assessment. MEEP 2027 will provide an interdisciplinary platform for sharing knowledge, discussing challenges, and identifying future opportunities in these rapidly evolving fields.

Our Scientific Advisory Board www.i-MEEP.com/SAB plays a critical role in evaluation and structuring of the technical program. The Board exercises full scientific independence in all technical matters, ensuring quality and rigour in the final selection process. All accepted extended abstracts will be made available to registered participants only, for optimal understanding of the presentations.

Technical Program

www.i-MEEP.com/**Topics**

The multi-day technical conference will feature lectures of invited and contributed papers and posters. Care will be taken by the Scientific Advisory Board (SAB) to ensure that all presentations are of consistent high quality, yet understandable for participants with various backgrounds and expertise.

TOPICS of the MEEP 2027 conference are set, but not limited to:

1. Biology & Reaction Cascades
- 1.1 Fundamental discoveries in bioelectrochemistry, e.g. microbe interactions, microbial ecology & new model organisms
- 1.2 Genetic/metabolic engineering of microbes
- 1.3 Steered & tailored interaction of enzymes & organisms
- 1.4 Characterisation and optimization of biofilms for BES
- 1.5 Integration of (bio-)electrochemical reactions in multistep process cascades

2. New Materials, Surfaces, Processes & Biohybrids
- 2.1 Methods & Techniques
- 2.2 Advanced anode & cathode materials
- 2.3 Electrode surfaces & surface catalysis
- 2.4 Membranes – electrode assemblies

3. Modelling & Computing
- 3.1 AI & Digital Twins
- 3.2 CFD
- 3.3 Kinetic Modelling, Biofilm Modelling, Process Modelling, …

4. Reactor Engineering
- 4.1 Reactor architecture & geometries
- 4.2 Engineering studies
- 4.3 Resilience & stability of reactor systems

5. Scale-up, Applications, Sustainability & Economics
- 5.1 Scalability, applications & real-life installation
- 5.2 Electronics & power management approaches
- 5.3 Sensors & IoT
- 5.4 Life cycle assessment & economic boundary conditions
- 5.5 Social perception/acceptability studies of BES

Publication Policy

www.i-MEEP.com/**PP**

Extended abstracts will be offered publication with a DOI in the general-purpose open-access repository www.Zenodo.org. A limited number of contributions will be invited to publish in a Special Issue. Authors who wish to publish "elsewhere" retain all copyrights.

The programme and event details are distributed in the Final Announcement - www.i-MEEP.com/FA . The extended abstracts are accessible only for registered participants, in the electronic Proceedings of the Conference (PoC) for an optimal understanding of the presentations. Only with the authors' permission will their extended abstract become part of the public Proceedings of the MEEP event Year (PEY). This and all other event information is "open access" on www.i-MEEP.com/Proceedings or .../Library.

Abstract Submission

www.i-MEEP.com/**AuthorCenter** = **.../Upload**

Members of academic institutions, R&D organizations, engineering firms, start-ups and industry are invited to submit contributions for oral or poster presentation at the MEEP 2027 conference. All submissions will take place **via the online Author Centre**.

The submission procedure and **conditions are:**

1. Download already now from www.i-MEEP.com/**Download** the abstract template, instructions and samples and prepare your abstract.
2. Upload your **one-page abstracts** at www.i-MEEP.com/**Upload** until **30 November 2026** (late abstracts cannot be considered for oral presentation).
3. Receive notification about acceptance in **March 2027**. This requires you to submit an **extended abstract/paper by 15 May 2027** & to register4*. These are **mandatory** conditions for publication with DOI or in the Special Issue. Shorter versions are allowed for contributions never to be published.

4*. Presenting authors are required to **register** for the conference and to pay the appropriate registration fee. Presenters who are not registered for the conference **by 31 May** lose their presentation slot. **No-shows** without timely cancellation will be penalized. EFCF-MEEP cannot provide direct financial support to attendees, but consult the list of fees below for **early registration privileges, rebates and support options**.

For Frequently Asked Questions please visit www.i-MEEP.com/FAQ or email to info@i-MEEP.com.

Venue, Access and joint EFCF event

www.i-MEEP.com/**Lucerne**

MEEP events are traditionally held at the Culture and Convention Centre Lucerne (KKL) in conjunction with the European **E**lectrolyser and **F**uel **C**ell **F**orum www.EFCF.com. EFCF 2027 will be concerned with: Low-temperature hydrogen & direct liquid fuel cells, water electrolysis, materials & technologies for CO_2 reduction; Electrochemical engineering & system integration; H_2: Carriers, e-fuels & infrastructure**.** EFCF also offers a technology & supplier exhibition as well as the popular tutorials: FC&H_2 & EIS (each 0.5 ECTS credits). The KKL conference centre (www.i-MEEP.com/KKL) is a well-known location, on the stunning waterfront of Lake Lucerne. It is easy to arrive by plane & train, and is located just a short walk from charming hotels & the historical town.

Time Schedule & Events

www.i-MEEP.com/**Schedule**

30 November 2026		Deadline for submission of **abstracts** via website – www.i-MEEP.com/Upload
March 2027		Notification about **acceptance** in the MEEP program
April 2027		Final Announcement with definitive oral **program**, poster and sponsor list www.i-MEEP.com/FA
15 May 2027		Deadline for submission of **paper** – www.i-MEEP.com/Upload
29 June 2027	10.00 – 17.00	**Project meetings** & **Tutorials**: **1. FCH:** Fuel Cell, Electrolyser & Hydrogen (0.5 ECTS credits, Level: kick-start) **2. EIS:** Electrochemical Impedance Spectroscopy (0.5 ECTS credits, Level: advanced) Early arrivals are invited to visit the **EFCF exhibition** starting at 16:00.
MEEP conference 2027		
29 June 2027	18:00	MEEP Welcome Reception
30 June 2027	10:00 – 18:00 18:30	Welcome, Keynotes, Invited & Contributed Presentations in Oral and Poster Sessions, Optional Swiss Surprise Night or own dinner
1 July 2027	09:00 – 17:00 19:30	Oral & Poster Sessions – Plenary Keynotes, Exhibition, Award and Closing Ceremony, Goodbye Coffee "Dinner on the Lake": Unique MEEP community networking on the optional pleasure boat trip with music & picturesque scenery
		The opportunity to visit EFCF exhibition and poster area is available on all days.

Services & Fees → REGISTRATION

opens beginning of September

www.i-MEEP.com/**Services** - www.i-MEEP.com/**REGISTRATION**

Conference* Registration Privileges:	**Physical** Early - 31 March	Regular from 1 April	Late from 15 May	**Virtual** Regular - 14 May	Late from 15 May
• Full-time students/trainees (age ≤ 28, with valid identification) and unemployed persons	**440**	+150	+100 CHF	**190**	+100 CHF
• Government, universities, consultants etc., industry and commerce	**770**	+150	+100 CHF	**330**	+100 CHF

EFCF combination & day tickets on request.

Tutorials

• FC, EL & H_2 Tutorial - Fuel Cells, Electrolysers & Hydrogen (kick-start, www.EFCF.com/FCH):	**590** CHF	**360**	+100 CHF
• EIS Tutorial - Electrochemical Impedance Spectroscopy (advanced, www.EFCF.com/EIS)	**590** CHF	**360**	+100 CHF

*The fees are for a 2-day event. If additional sessions and thus a reserve day are needed, the fees will be adjusted. All fees include the 8,1% VAT where applicable. Discounts are offered for group registrations of 4 or more. For further information please contact us at info@i-MEEP.com. One Swiss Franc (CHF) is valued at 1.09 EURO, 1.24 US Dollar, 201 YEN, 8.4 CNY (June 2026, www.i-MEEP.com/Currency).

Physical fees include access to the MEEP symposium and EFCF exhibition, plus all advantages of the virtual access as well as business lunches, all refreshments, and the welcome reception. The exclusive **evening networking events:** the "Swiss Surprise Night" on Wednesday and the unique and popular "Dinner on the Lake" on Thursday are not included in the fee, but can be booked during the online registration (each CHF 145 pp).

Virtual access includes virtual, live* and on-demand access, as well as access to the member zone after the conference, proceedings (PoC, PEY) of MEEP 2027 and earlier, rebate on virtual EFCF conference fee, MEEP membership with all additional services and discounts until the next symposium (worth 490 CHF, 300 CHF for students) & post conference access to all on-demand streams of MEEP 2027 and earlier where available, including presentations, member contacts, books of abstracts and proceedings back to 2019. *Please note that live access is subject to demand.

Supporting Partners

www.i-MEEP.com/**AddValue**

We are excited to offer a variety of partner and sponsorship opportunities for those interested in supporting MEEP 2027. Sponsors will profit from direct contact with leading experts in these important emerging technologies. Sponsorship includes networking opportunities, a chance to showcase any products or services, and is a great way to establish new partnerships within this diverse, international scientific community. Contact sponsor@i-meep.com to find out more.

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Chairs

Prof. Ioannis Ieropoulos

University of Southampton, UK

Ioannis is the Chair in Environmental Engineering and Head of Department for Civil, Maritime & Environmental Engineering at the University of Southampton. He specialises in self-sustainable systems and produced the EcoBot family of robots and PEE POWER® powered by microbial fuel cells (MFCs) fed on organic/human waste. Yannis brings 23 years of expertise and has served as a UKRI-EPSRC Career Acceleration Fellow and a Gates Foundation grantee, advancing Bioelectrochemical Systems for sanitation in LMICs. He is Chair of the EU COST Innovators Grant looking to commercialise Microbial Fuel Cells, PI on the EIC Pathfinder project Mi-Hy, and on programmes focusing on autonomous systems & bioengineering. He is Editor-in-Chief for Sustainable Energy Technologies & Assessments. His research income in 14 years is >£10M, his h-index is 67 and has published >170 peer-reviewed journal articles.

Assoc. Prof. Grzegorz Pasternak

Wroclaw Uni of Science & Technology, Poland

Grzegorz is an Associate Professor at Wrocław University of Science and Technology, leading the Laboratory of Microbial Electrochemical Systems (L-MES). His research focuses on microbial fuel cells, electrofermentation, and biosensors, aiming to develop sustainable technologies for waste-to-energy conversion and environmental monitoring. In recent years, his group has been developing bioelectrochemically stimulated synthesis of biosurfactants and the degradation of waste cooking oil and petroleum. His work has been supported by approximately €1.5 million in funding, including support from NCN, NAWA, and international sources. He has contributed to the COST Action and a COST Innovation Grant focused on commercialising microbial fuel cell technology. Dr Pasternak has authored over 40 peer-reviewed publications (h-index of 18). He is an Associate Editor of Energy Nexus, Frontiers in Microbiology, and Chemical Engineering Journal: Green and Sustainable.

Asst. Prof. Argyro Tsipa

University of Cyprus, Cyprus

Argyro is an Assistant Professor of Environmental Biotechnology in the Department of Civil and Environmental Engineering of the University of Cyprus (UCY). She is the Founder and Head of the Environmental Biotechnology (EmBIOSysTech) Laboratory and is a member of the academic council of the Nireas International Water Research Center of UCY. Her research concerns biological systems engineering and the (electro-)biodegradation of (industrial) wastewater that is converted into value-added products, focusing on the characterization of the microorganisms involved and the products formed, in the context of the circular economy. She has >18 publications in peer-reviewed journals. She has received more than 600k euros of competitive national and EU grants and is a reviewer for research agencies and international journals.

Scientific Advisory Board

www.I-MEEP.com/SAB

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