

Final Announcement [Conference](#) [EXHIBITION](#) [TUTORIALS](#)

SYMPOSIA: [GSM](#) GRID SERVICE MARKET
[MEEP](#) Microbial, Enzymatic Electrochemical Reactors

GOOD NEWS - More interest than expected - Jump also on the rolling train for

Low-Temperature

Fuel Cells, Electrolysers & H₂ Processing

EFCF 2019 2-5 July, Lucerne/Switzerland

Chaired by: **Prof. H. A. Gasteiger & Prof. A. Bandarenka**
TUM Technical University of Munich

Since 1994 **Science, Facts & Figures**, Key-Network & Inspiring Side Event

Become part of this network and community, join the events:

180 Talks, 100 Posters, 21 Invited Talks, 10 Keynotes, 20 Exhibitors/Sponsors

REGISTRATION

www.EFCF.com/REGISTRATION

TUTORIALS

[.../FCH](#) **Fuel Cells, Electrolysers & Hydrogen**
[.../EIS](#) **Electrochemical Impedance Spectroscopy**
30% rebate for EFCF participants

FCH Tutorial
Fuel Cell, Electrolyser & Hydrogen Tutorial
[www.EFCF.com/FCH](#)

The FCH Tutorial will provide a basic understanding of chemical, physical and technical principles that make fuel cells and electrolysers work simply, safely and affordably. Application requirements and practical examples of current and future distributed resources as well as modules for experimental test cases. You will gain basic knowledge of all expert knowledge and practical experience to already existing understanding. Future progress in questions before you have to ask them and get a strong basis to exchange with your partners & clients. Profit from an excellent kick start into the EFCF conference & exhibition.

Tutors:
Dr. Christian G. Scherer, formerly PSI, Switzerland
MEP Dr. Jan Van Herle, EPFL, Switzerland

2 July 2019, 9:30 - 11:00
KUL, Lucerne, Switzerland

Registration request:
[www.EFCF.com/Registration](#) | [EFCF 2019](#)
Low Temperature FUEL CELLS, ELECTROLYSERS & H₂ PROCESSING

EIS Tutorial
Electrochemical Impedance Spectroscopy
[www.EFCF.com/EIS](#)

Tutors:
Dr. Andre Weber, KIT, Germany
Dr. Shin-ichi KOHNO, Kagoshima University, Japan

2 July 2019, 9:30 - 11:00
KUL, Lucerne, Switzerland

The EIS Tutorial will consist of 6 lectures and an "EIS challenge". The EIS Tutorial will provide a basic understanding of the technical and practical principles that make EIS one of the most powerful analysis instruments available today. It is aimed at medium to experienced level users, who are already familiar with the principles of Electrochemical Reactor Technology (Fuel Cells and Electrolysers).

Registration request:
[www.EFCF.com/Registration](#) | [EFCF 2019](#)
Low Temperature FUEL CELLS, ELECTROLYSERS & H₂ PROCESSING

SPECIAL EVENTS

[.../GSM](#) **GSM 2019** Grid Service Markets Symposium on
Grid Flexibility & Business with New Technologies

VPP-PANEL: BUSINESS-POTENTIAL & TECHNOLOGY-CHALLENGES
Field experience - Fuel Cells & Electrolysers in Virtual Power Plant.
Joint with FCH JU - PACE + QualyGridS projects

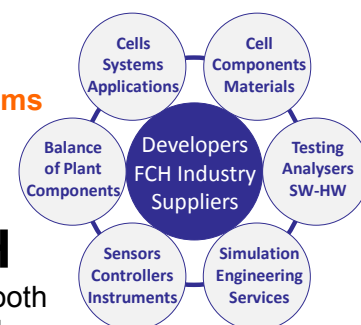
[.../MEEP](#) **MEEP 2019** Symposium on
Microbial, Enzymatic & Bio-Photovoltaic
Electrochemical Reactors, Fuel Cells & Electrolyser Systems

EXHIBITION

[.../ByB](#) **Get all Info - BOOK your BOOTH**

Best price-performance ratio - 800 CHF for a fully equipped booth
when 2 participants are booked

Industry, Developer, Supplier, Equipment & Service Provider, Research Lab,...



www.EFCF.com/FA

EFCF 2019

FINAL ANNOUNCEMENT
2 – 5 July 2019
KKL Lucerne / Switzerland

 **SWISS**
Official Carrier

2 July 2019
TUTORIALS:
FCH: Fuel Cell, Electrolyser & H₂
EIS: Electrochem. Impedance Spectroscopy

23rd EFCF Conference in Series with Tutorials & Exhibition
Low-Temperature

Fuel Cells, Electrolysers H₂ Processing Forum



Chaired by
Prof. Hubert A. Gasteiger
Prof. Aliaksandr Bandarenka
TUM Technical University of Munich

REGISTER at www.EFCF.com

MEEP
SYMPOSIUM
Microbial Enzymatic
Electrochem. Reactors

GSM
SYMPOSIUM
Grid Service Market

PRE-ANNOUNCEMENT

EFCF 2020

24th International Conference in Series
with Exhibition & FCH/EIS Tutorials

Lucerne, Switzerland, 30 June – 3 July

14th European SOFC & SOE Forum

Chaired by:
Prof. Dr. Dr. Anke Hagen
Prof. Dr. Peter Vang Hendriksen
DTU Technical University of Denmark

Featuring

- Conference: Science, Technology and Application of SOFC & SOE, incl. Solid Oxide Membrane Reactors (SOMR)
CO₂ emission reduction and reuse
- Exhibition: Suppliers, Materials, Testing, Components, SO-Technologies
- Tutorials:
FCH: Fuel Cell, Electrolyser & Hydrogen
EIS: Electrochemical Impedance Spectroscopy



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