What's New?

SCCER-FURIES Special session Featured article: Overpassing barriers Recent achievements

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SCCER-FURIES special session

The SCCER-FURIES invites its partners to a special session on center's activites at the SPEEDAM conference on June 24-26, 2020 in Sorrento 2020. The proceedings of the conference will be available on IEEEXplore. If interested in submitting a paper, please provide with your paper's title to Prof. Dr. Mauro Carpita by December 11st, 2019



October 2019 - Newsletter 3/19

Featured Article

Overpassing barriers

The Innosuisse SCCER program is closing its cycle at the end of 2020. The added value of coordinated research activities for the achievement of the Swiss Energy Strategy 2050 and Paris agreement national committments is now undeniable as illustrated by independent evaluation of the program. Still, according to the SFOE Monitoring report for the timely achievement of the energy and climate targets, such efforts should be even intensified. While the national funding agencies are preparing the following-up programmes that can support such efforts, such as SFOE-SWEET and Innosuisse-Flagship, SCCERs should valorise the plethora of their outcomes and properly disseminate them to decision makers. Therefore, appropriate dissemination activities should be put in place targeting (i) implementation partners and (ii) policy makers. SCCER-FURIES is working to this direction. For the former category, it has

recently released the White paper on DC technologies for Swiss power transmission and distribution; and the Activity report presenting the highlights of FURIES in layman's language. These activities are in addition to the already established Knowledge hub which bridges capabilities, projects and outcomes of the center; and all of them contribute to the knowledge and technology transfer mainly to the industry. For the latter category, another White paper

is under development on the Regulatory barriers for the implementation of the smart grid solutions in Switzerland. A Task force is established with the aim to provide policy makers with recommendations on the regulatory adjustments required for the timely and efficient achievement of the Suisse Energy strategy.



of these barriers' relevance to the implementation of mainly demand side innovative solutions. The academic community seconds this group by providing scientific evidences on the advantages of these barriers' (conditional) elimination. It remains though inclusive to other participants from inside or outside FURIES that face regulatory barriers in their activities; are interested in providing their inputs related to the aim of this group. The SCCER-FURIES Management office remains available for any information request on SCCER-FURIES' research and consolidation activities and achievements. Recent Achievements

Outreach: Special Session at the EPE-



2019 ECCE A SCCER-FURIES special session was hosted by the

Applications (EPE-2019 ECCE Europe), held on September 2-6 in Genova, Italy. In a well-attendeed session, 4 streams of activities were presented, including flexible MV DC source, hybrid transformers, voltage sensitivities in unbalanced networks, and DC/DC converters. Further information is accessible here Workshop: 3rd International Workshop DynPOWER

21st European Conference on Power Electronics and



On September 16th, the 3rd International Workshop DynPOWER Dynamic Stability Challenges of the Future

(Prof. Korba). The international workshop brought together a panel of experts from industry and academia from all over Europe to debate and present their work on monitoring, protection and control of the future power The agenda is accessible here New facilities: Inauguration of the Relne laboratory

On September 18th, the inauguration of the laboratory on Inteligent Systems (Relne) took place at the HEIG-VD.

Power Grids was hold in Winterthur, hosted by ZHAW



This laboratory offers a plateform for the emulation of a large number of grid topologies. This enables the testing of control methods for smart grids and performance assessment of grid components. As a part of the SCCER-FURIES' network of laboratories it contributes to the efficient use of the testing infrastructure and provision of end-to-end services to the industry. Further information is accessible here. Award: 2018 Richard B. Schulz Best Transactions Paper Award

A Paper by the Electromagnetic Compatibility Lab and the Distributed Energy Systems Laboratory of EPFL

received the 2018 Best IEEE Transactions on

Electromagnetic Compatibility Award. The paper presents an experimental validation of the electromagnetic time reversal to locate disturbances in real power networks. The award was given during the 2019 IEEE Symposium on Electromagnetic Compatibility and Signal and Power Integrity, held in July in New Orleans. Futher information is accessible here. New project: DiGriFlex On September 1st, a new project funded by SFOE through ERA-Net SES was initiated. This project aims to



develop and validate effective forecasting and optimal control algorithms to ensure efficient and secure operation of low voltage distribution grids, as well as

flexibility provision from distribution grids toward upstream grids, under uncertainties. Further information about the project is provided here. **Upcoming Events** Please check out the list of upcoming events 21 22 23 24 25 related to the smart grids and energy markets.

JANUARY 2020

Drop here **EVENTS**

Energy and Cleantech Startup Day 31.10.2019 in Zurich, CH

NOVEMBER 2019 8th SCCER Heat and Electricity Storage

OCTOBER 2019

<u>Symposium</u> 05.11.2019 in Dübendorf, CH

Forum ElCom 15.11.2019 in Basel, CH

Sustainable Investments Day

21.11.2019 in Zurich, CH **Funding Opportunities**

(SNSF) Call for Ambizione proposals Deadline 1.11.2019

(SNSF) Call for PRIMA grants (women researchers) Deadline 1.11.2019

(SNSF-Innosuisse) Call for BRIDGE proof of

concept Deadline 9.12.2019

Deadline: open call (SNSF) SPIRIT

Deadline: 31.12.2019- rolling call for pre-proposals

(Humboldt Foundation) Post Doc Fellowship

(ERA-NET) CSP Deadline: 10.01.2020

(ERA-NET) SOLAR-ERA.NET Cofund 2 Deadline: 29.01.2020

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and partners, opportunities and current events. Follow us



Sozialwissenschaften und Praxis



Opportunity

Dozent / Dozentin für intelligente Energiesysteme (80-100%) @HSLU Wissenschaftliche Mitarbeiterin /

Wissenschaftlicher Mitarbeiter digitale Energiesysteme 80-100% @HSLU R&D Engineer of Control Software

for High-Power Drives (f/m/d) (80-

Knowledge Hub

You need information about the

100%) @ABB

project within SCCER-FURIES? You will find information on Partners, Projects and Projects' Outcomes on our Knowledge Hub



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