SCCER-FURIES Events

SCCER-FURIES Annual Conference 22.10.2018

Under the theme “Guarantee adequate stability, reserves and system-wise services for the bulk power system”, this event will bring together 180 experts on smart grids from academia, industry and public sector in Switzerland. At the plenary, academic and industrial partners will give a speech and between sessions young scientists will present their work in posters and compete at the 2018 SCCER-FURIES Poster Competition.

Check conference program

Online registration

If you want to participate in SCCER-FURIES Annual Conference please fill out the registration form. Registration is open till 18.10.2018.
Arbon Demonstrator
During the Phase II (2017-2020), SCCER-FURIES focuses on the real-grid validation of the most promising innovative solutions developed over Phase I. SCCER-FURIES Arbon Demonstrator is one of the large-scale demonstration efforts providing the industrial FURIES partners, Arbon Energie and Siemens, with turn key solution that on valorisation of smart metering data, by bringing together academic partners from different work packages (WP1 and WP4) and other SCCERs, notably SCCER-CREST. Dr. Ingo Herbst, from Siemens, who serves as the project manager of the Arbon Demo, shared with us the first outcomes of the project.

by Dr. Ingo Herbst
Major milestones were achieved during this year. A new data store and retrieval system was developed and filled with all data used in this project. On one hand this is the geographic information concerning Arbon’s LV network (cable routing, design & cable connections). On the other hand it’s measurement data: 15 min values of all 10’000 smart meter (SM) in Arbon over a year, power quality data and synchronized direct SM measurements of voltage and power at some locations. All these data get verified during data read in and are analyzed with adapted tools to assure sufficient data quality. We are now able to compute all cable loads by just adding the loads along the lines measured by the SM. With the network topology and impedance information and cable loads we can then compute the voltages within the LV network. The color coded info can be displayed over time as a film or in a graph. A snap shot of one transformer station and 550 connected SM is presented below. Because of the 100% SM rollout in Arbon it is possible to have full transparency of the LV grid (based on SM load data alone) where one had no info before the implementation of SM.

Our partners
New partnerships
During the last 6 months, we were glad to welcome four more Strategic Partners at the SCCER-FURIES community bring the number of our Strategic Partners to 21.

HIVE POWER
A FURIES-derived start-up focused on the use of blockchain technology in the field of electricity.

DEPSYS
A FURIES-derived start-up focused on the development and deployment of grid monitoring solutions.

tiko
it is a company working on the intelligent storage field (aka Swisscom Energy Solutions Ltd).

GridSteer
A SCCER-FURIES’ spin-off commercializing an innovative real-time control method (aka Commelec).
New Projects

T&DfLEX - TSO-DSO
Flexibility: Towards integrated grid control and coordination in Switzerland
Funding: CHF 120'000
Partners: ETHZ-FEN, Swissgrid, EWZ, RePower

3D DSS for supporting the planning of electric power systems: Integration of underground cables
Funding: CHF 275'000
Partners: ETH, EWZ, GilitycsGmbH, Swissgrid, Elia

Z-NET Pre normalisation of grid impedance measurement in the power line communication frequency band
Funding: CHF 200'000
Partners: HESO-SO VS, METAS, SIG, Schaffner EMV, Camille Bauer SG, SAK, LEM IP SA

SYNCHROFAP - real-time the protection settings to the changing grid operating conditions
Funding: CHF 300'000
Partners: HES-SO VS, Zaphiro Sarl, EPFL&others

Read more about T&DfLEX
Read more about 3D DSS
Read more about Z-NET
Read more about SYNCHROFAP

EVENTS

Please check the list of upcoming events related to the smart grids and energy markets.

OCTOBER 2018
Workshop on Hybrid- and Electric Vehicles Technologies
9.10. Burgdorf, CH
Swiss Energy Expert Day
10.10. Zofingen, CH
7th DACH+
11-12.10. Oldenburg, DE
International Conference on Solar Technologies & Hybrid Mini Grids
17-18.10 Palma, ES
SCCER-FURIES ANNUAL CONFERENCE
22.10. Lausanne, CH
COMSOL Conference 2018
22-14.10. Lausanne, CH

JANUARY 2019
1st National Scenario Benchmarking Workshop (JASM)
17.01.2019, Zurich, CH
(registration till 30.11.2018 here)

FEBRUARY 2019
2nd International Conference FEPSET19
3-8.02.2019, Champéry, CH
NOVEMBER 2018
European Utility Week 6-8.11 Vienna, AT
Energy Start Up Day, 29.11. Zurich, CH
(free registration till 31.10)
Symposium elektrische Energiespeicherung Schweiz
27.11. Biel, CH

DECEMBER 2018
EU Energy Day at COP24, 11.12.2018 Katowice, PL

Funding Opportunities

(SNSF) PRIMA grant Deadline: 1.11.2018
(SNSF) Ambizone Deadline: 1.11.2018
(SNSF) Synergia Deadline: 1.12.2018
(InnoSuisse) Innovation Project Open call for research institutions and companies.

ISGAN Award of Excellence

5th ISGAN Award of Excellence competition, sponsored by the International Smart Grid Action Network (ISGAN), in partnership with the Global Smart Grid Federation (GSGF) is now open for nominations. 2019 competition theme is Local Integrated Energy Systems (Smart Grids). For eligibility and competition rulez please check here.

JOBS

Please check the list of upcoming events related to smart grids and energy markets.

- PostDoc @High Voltage Laboratory ETH, Zurich
- Chief Engineer- Specialty Batteries @Leclanche, Yverdon-les-Bains
- Position @ZAHW (SCCER-CREST), Winterthur
- PostDoc in Energy Economics and Regional Development, Chur

SCCER-FURIES LinkedIn

We would like to invite you to follow SCCER-FURIES new LinkedIn account. You will find news and information about new projects and partners, job opportunities and current events.

Follow SCCER-FURIES on LinkedIn

Knowledge Hub

You need information about the project? You will find information on Partners - Projects - Outcomes

Read more

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