

6th OFF-GRID EXPERTS WORKSHOP

Lecture Program

Status: 10. September 2019 | Note: Single presentations of the lecture programme and the times may change before the start of the event.

Workshop Day 1 – 20 September 2019

08.30 - 10.00 a.m.	Opening and Kick-Off Exhibitors' presentations	
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Break | Exhibition

11.00 - 12.00 a.m.	Photovoltaics	Session 1a
11.00 a.m.	REvived water, brackish water desalination system powered by PV	Florian Martini, REvived water
11.20 a.m.	Solar cooling systems for agricultural value-chains in the Tropics and Subtropics	Dr. Victor Torres Toledo, Universität Hohenheim
11.40 a.m.	Solar street lighting	Mag. Christian Braun und Dipl. Ing. Thomas Schlangen, F8 Solartechnik

12.00 - 01.00 p.m.	Photovoltaics	Session 1b
12.00 a.m.	Storage Project in Africa	Mathias Grässl, Powerball Systems AG
12.20 p.m.	Innovation in Off Grid Solar Module Manufacturing	Robert Händel, Opes Solutions GmbH
12.40 p.m.	DC and AC coupling comparative for minigrid application	Pablo Munoz, Studer Innotec SA

Lunch Break | Exhibition

02.00 - 03.00 p.m.	Hybrid and Alternative Systems	Session 2a
02.00 p.m.	Hybrid renewable energy system sizing and optimal operation – simulating case studies for small businesses and industries with energyPRO	Kerstin Lopau, EMD Deutschland GbR
02.20 p.m.	myEnergy365: Electricity and heat from pellets and solar power all year round	DI Miriam Gahleitner, ÖkoFEN Forschungs- und Entwicklungs GmbH
02.40 p.m.	Electricity to take part - Intelligent power storage and mobile photovoltaic system supply environmentally friendly electricity	Dipl.-Ing. (FH) Timo Schnitzer, PV4Life GmbH



Workshop Day 1 – 20 September 2019 (sequel)

03.00 - 04.00 p.m.	Hybrid and Alternative Systems	Session 2b
03.00 p.m.	Diesel Reduction through solar PV systems in remote communities in the Canadian Arctic	Klaus Doehring, Green Sun Rising Inc.
03.20 p.m.	Considerations for Prepayment Meters for Rural Electrification and the Urgent Need for Updated Technical Standards to Improve Interoperability of Systems	Mr. Chakraborti SAYAN, MRIGlobal
03.40 p.m.	Hybrid isolated grids combining hydro pumped storage, solar and wind energy	MSc. Sebastian Gugler, GUGLER Water Turbines GmbH

Break | Exhibition

05.00 - 09.00 p.m.	After Workshop Program
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Workshop Day 2 – 21 September 2019

08.30 - 09.00 a.m.	Opening Day 2
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09.00 - 10.00 a.m.	Small Wind	Session 3a
09.00 a.m.	Welcome and Thematic Introduction	Thomas Kopp, Bundesverband Kleinwindanlagen e.V.
09.20 a.m.	Welcome address and status of small wind power international	Stefan Gsänger, World Wind Energy Association
09.40 a.m.	Smart Rectifier for Small Wind Generators - Optimization of Efficiency from Mechanical Input to DC Output	Prof. Dipl.-Phys. Gerhard Gruhler, Hochschule Heilbronn

Break | Exhibition

10.30 - 11.30 a.m.	Small Wind	Session 3b
10.30 a.m.	Wind Completes any Off-Grid Solution	Ketter Foutz-Ulrich, Primus Windpower Inc. - USA
10.50 a.m.	Professional S.C.A.D.A. strategies for Off-grid sites including wind & how to avoid charge confliction between multiple types of charging sources.	Mark Dettmer, Mission Critical Energy Inc.
11.10 a.m.	Sustainable do-it-yourself solutions for the construction of a small wind turbine	Jonathan Schreiber, PureSelfMade

Break | Exhibition



Workshop Day 2 – 21 September 2019 (sequel)

11.30 - 12.30 a.m.	Special Guest	
	With decentralized renewable energies overcome poverty, create jobs and added values, strengthen local entrepreneurs and economies in rural areas	Bärbel Höhn, Special Representative for Energy in Africa of the Federal Ministry for Economic Cooperation and Development (BMZ)

Lunch Break | Exhibition

01.30 - 02.30 p.m.	Mini-, Microgrid	Session 4a
01.30 p.m.	Off-Grid Power Systems 4.0 - Energy production in the digital world	Patrick Cousins, Ferntech GmbH
01.50 p.m.	Crowdfunding as an alternative financing model in the international sustainable energy, water, agriculture and mobility sector	Marilyn Heib, bettervest GmbH
02.10 p.m.	Energy Turnaround from Below in Developing Countries - A Flexible, Scalable DC Microgrid Solution for Small Business in Cameroon	M.Eng. Jolly Florian Kemadjou, Hochschule Heilbronn

02.30 - 03.30 p.m.	Mini-, Microgrid	Session 4b
02.30 p.m.	Mini-grids and Solar Home Systems Working Together	Dr. Peter Lilienthal, HOMER Energy, LLC.
02.50 p.m.	Improved performance of off-grid energy systems through remote monitoring	Hendrik Broering, AMMP Technologies B.V.
03.10 p.m.	Environmentally friendly, decentralised and digital solutions for regional power supply	Walter Albrecht, Lechwerke AG

03.30 - 04.00 p.m.	Closing
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from 04.30	Oktoberfest-Shuttle
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