IEEE Power & Energy Society
Seattle Chapter Meeting
Tuesday, November 27th 2018

Topic: **Off-Grid Power Systems in Developing Countries**
Date: Tuesday, November 27th, 2018
Time: 6:00 – 8:00 pm
Place: 13230 SE 32nd St, Bellevue, WA 98005
Host/Speaker: Dr. Henry Louie, Daniel Nausner

Agenda
6:00 pm – Networking and Light Refreshments
6:45 pm – Introductions and Technical Talk and Demo
8:00 pm – Adjourn

Summary:
Approximately 1.1 billion people worldwide lack access to the electricity grid. This form of energy poverty disproportionately afflicts those living in less economically developed countries, primarily in Sub-Saharan Africa and southern Asia. Achieving universal electrification through grid extension is optimistically decades away and might never be a viable option in rural areas. Instead, many communities will rely on off-grid electricity solutions in the form of renewable energy-powered microgrids. This presentation describes the role of microgrids and other off-grid solutions in providing electricity access. Technical design examples from microgrids in Zambia will presented.

Speakers:
Dr. Henry Louie is an Associate Professor in the Department of Electrical and Computer Engineering at Seattle University. He is a co-founder of the non-profit organization KiloWatts for Humanity, which enables electricity access in energy-impoverished communities in Sub-Saharan Africa. Dr. Louie is a 2015/2016 Fulbright Scholar to Copperbelt University in Zambia. He is the author of the book "Off-Grid Electrical Systems in Developing Countries", published by Springer Nature.

Daniel Nausner has designed appropriate technology and rural electrification projects since 2013, leading the microgrid team at Kilowatts for Humanity from 2015 onwards. He has a B.S. in Electrical Engineering from Seattle University, and works at Grey & Osborne, Inc.

Attendance is limited to the first 30 registrants. Please RSVP at:

Drinks and refreshments will be provided.

Non-IEEE PES members and students are welcome to attend.
Contact: Darrell Ross mr.darrell.ross@ieee.org, 707-496-8510 for information on this event.

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Directions

Address: 13230 SE 32nd St, Bellevue, WA 98005
Parking: Please park in front lot, free & open space parking
PSE employees: please park in gated area to maximize open parking space

Room: Columbia & Bennett Room located on the first floor near main entrance
RSVP: Limited to first 30 registrants
Building Access: Call the phone number found near the main building entrance

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