Serdecznie zapraszam na seminarium międzynarodowe w ramach programu **Fulbright Specialist**, na którym Pan **Steve Szablya z Schweitzer Engineering Laboratories, USA,** przedstawi wykład pt: Sustainability, Energy, and Human Development

Seminarium odbędzie się 24 05 2022r o godzinie 11:15 w formie:

- stacjonarnej: sala 206A budynek D20 (obowiązują zapisy: https://forms.gle/qqSt3h6n9qzijLcx9)

- Zoom – dane dostępowe poniżej

Topic: Sustainability, Energy, and Human Development

Time: May 24, 2022 11:15 AM Warsaw

Join Zoom Meeting

https://pwr-edu.zoom.us/j/91475353693

Meeting ID: 914 7535 3693

Abstract

From the dawn of civilization, humans have used energy to make their lives easier and more productive. Energy drives our modern society but is not evenly distributed and has consequences for climate change. The unequal distribution of electricity among levels worldwide highlights the problem of energy poverty. Worldwide, 700 million people—approximately one in nine—do not have access to electricity. This form of energy poverty disproportionately afflicts those living in at-risk rural communities in Sub-Saharan Africa and South Asia.

This presentation looks at energy and sustainability and then focuses on the effect that electricity has on the standard of living. It offers off-grid electrification solutions to providing electricity to an unserved population by means other than a connection to an existing centralized power grid. This presentation will cover typical small renewable installations and some basics about PV arrays.

Steve Szablya is an electrical engineer in the United States. His first solar installation was for a medical clinic in rural Kenya in 2005. Since then, he has installed or has consulted on numerous solar installations worldwide. He co-founded KiloWatts for Humanity, an NGO focused on rural electrification in less economically developed countries (LEDC). He also co-founded the non-profit Kuumba Smart Vision, which is focused on the UN Sustainable Development Goals (SDGs), specifically clean energy (SDG 7) and women empowerment (SDG 5). As an adjunct professor at Seattle University's Electrical and Computer Engineering department, he advised senior design projects on electrical designs for humanitarian projects. He co-authored several papers for IEEE publications and conference presentations on the topic. He received the Outstanding Engineer Award from the IEEE Seattle section for his pioneering work on off-grid systems in Africa and for finding appropriate energy solutions for impoverished communities off the power grid. He received a B.S. in Electrical Engineering and MBA from Washington State University and is a licensed Professional Engineer in Washington State. Steve has been a member of IEEE and IEEE-PES for over 40 years. Steve's full time job is with Schweitzer Engineering Laboratories as a Development Lead Engineer in the Meter Systems Group.