

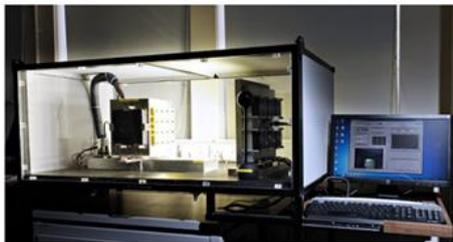
ECEL 2021

20th European Conference on eLearning

28-29 October 2021, Berlin, Germany

Mini Track on Experiences in Developing and Implementing Online Remote Laboratory and Simulations for eLearning

Mini Track Chair: Dr Sheryl Williams, Loughborough University, UK



This mini-track is looking for examples of Developing and Implementing online remote laboratory and simulations for elearning. In this session participants can experience in the development, implementation and evaluation of remote laboratory and simulations. For example, the bespoke project at Loughborough University which has been successfully used by HE engineering students during COVID-19 remote learning.

The session will provide delegates with opportunities to present on and discuss the life cycle of such a project from rationale, development and implementation processes and crucially will seek to share lessons-learned including challenges and successes.

The focus themes will include but are not limited to:

- Development of remote laboratories
- Designing simulations for engineering courses
- Challenges in providing practice activities for remote learning engineering students
- Alternatives to practical lab for engineering students
- Evaluation of the learning attained in the remote lab setting



Dr Sheryl Williams is a renewable energy specialist, Senior Fellow of the Higher Education Academy and an award-winning Distance Learning Manager. Her Doctorate in Electronic & Electrical Engineering focussed on the performance of photovoltaic devices and she has participated in the EU funded IP PERFORMANCE PV and PVCAapult WP9: PV performance prediction. Sheryl leads flexible and distance learning programme in Wolfson School. She won the 2015 eLearning Excellence Award at the 14th European Conference on eLearning for the Photovoltaic Remote Laboratory. She pioneered innovative use of ICTs in MSc in Renewable Energy System Technology via distance Learning; and mentored and trained staff.

Submission details

In the first instance a 300 word abstract is required, to be received by **7th April 2021**. Please read the guidelines at <http://www.academic-conferences.org/conferences/submission-information/>

If you have any questions about this track, please email the mini track chair:

S.R.Williams@lboro.ac.uk

Submissions must be made using the online submission form at:

<http://www.academic-conferences.org/conferences/ecel/ecel-abstract-submission/>

See more about ECEL at <http://www.academic-conferences.org/conferences/ecel/>