



# CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink, appearing to read 'Arno Smets'.

**Arno H.M. Smets**

Associate Professor Photovoltaic Materials and Devices  
Faculty of Electrical Engineering, Mathematics  
and Computer Science  
*Delft University of Technology*

This is to certify that

# Thomas Philip Fudge

successfully completed and received a passing grade in

## ET.3034TU: Solar Energy

a course of study offered by DelftX, an online learning  
initiative of Delft University of Technology through edX.

VERIFIED CERTIFICATE  
Issued December 11th, 2014

Verify the authenticity of this certificate at  
<https://verify.edx.org/cert/d243a393bca945e29e41d9b7326ebf57>