



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

Ivar Urdalen

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
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