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RENEWABLE AND SUSTAINABLE ENERGY INSTITUTE

BIG energy seminar series

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Professor Henry J. Snaith

Oxford University

Metal Halide Perovskites: a New Family of Semiconductors for Photovoltaics and Optoelectronics Name

Date: Wednesday March 29, 2017 at 10:00am

Location: NREL, RSF San Juan A & B (Rm 344)

You must R.S.V.P to Kristy.Usnick@nrel.gov to get clearance.
Please provide her with your name, email and phone number.
If you are a foreign national, you must RSVP 2-5 days prior.
You can also contact Danielle.felix@colorado.edu for additional information.

Abstract:

Henry will discuss processing conditions and chemistries and how they affect crystal and film formation, how the film/crystal quality is related to electronic properties and performance of working devices. He will also discuss new work on alternate formulations to increase performance, broaden the tunability of the band gap for use in tandem devices, and increase long-term stability. Additionally, if time allows, he will demonstrate his juggling abilities while dancing the Tarantella.

Bio:

Prof Henry J Snaith FRS is a professor of physics at Oxford University and is CSO and Founder of Oxford PV Ltd. His research is focused on developing new materials for photovoltaics and understanding and controlling the optoelectronic processes occurring within the devices and at heterojunctions. He has made several significant contributions to the field of photovoltaics research, with the most notable being the discovery of the remarkable PV properties of metal halide perovskites. He was awarded the institute of Physics Patterson Medal in 2012, named as one of "natures ten" people who mattered in 2013, received the Materials Research Society Outstanding Young Investigator award in 2014, elected as a member of the Royal Society in 2015, assessed to be the 2nd "most influential scientific mind" in 2016 and will be awarded the Royal Society Kavli Medal and Lecture in 2017

Maps to NREL: https://www.nrel.gov/about/golden.html

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