

## SEMINAR SERIES

# HIGHLIGHTS IN ENERGY RESEARCH

25.10.2018, 16:00 - 17:00, EPFL Valais, 4<sup>th</sup> floor, ZEUZIER room

## Vapor Phase deposited Perovskites

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Host : Prof. Nazeeruddin

Vapor phase deposited perovskite layers allow the preparation of efficient solar cells. The different type of sublimation methods will be briefly discussed focusing in on co-evaporation using multiple sources and single source methods. The latter requires the previous preparation of perovskites for which we use solid state reactions. I will discuss the advantages and disadvantages of these methods and present our latest results with respect to solar cells.



### **CV: Dr. Henk J. Bolink**

Hendrik (Henk) Bolink obtained his PhD in Materials Science at the University of Groningen in 1997 under the supervision of Prof. Hadziioannou. After that he worked at DSM as a materials scientist and project manager in the central research and new business development department, respectively. In 2001 he joined Philips, to lead the materials development activity of Philips's PolyLED project.

Since 2003 he is at the Instituto de Ciencia Molecular (ICMol) of the University of Valencia where he initiated a research line on molecular opto-electronic devices. His research has been cited over 12500 times and he has an h-index of 58 according to google scholar.

His current research interests encompass: inorganic/organic hybrid materials such as transition metal complexes and perovskites and their integration in LEDs and solar cells.