



Strokovno društvo za mikroelektroniko,
elektronske sestavne dele in materiale

Univerza v Ljubljani
Fakulteta za elektrotehniko



Društvo MIDEM

Predsednik društva prof. dr. Marko Topič

Vas vljudno vabi na predavanje dopisnega člana IAS,
ki ga organizira

Univerza v Ljubljani, Fakulteta za elektrotehniko

v sodelovanju z

Inženirsko akademijo Slovenije (IAS)

Prof. dr. Christophe Ballif

Ecole Polytechnique Fédérale de Lausanne (EPFL)
Centre Suisse d'Electronique et de Microtechnique (CSEM)

In the air, on sea and on land: when will everything become solar?

Predavanje bo

v ponedeljek, 10. 6. 2019 ob 10:00 uri v Diplomski sobi
na Fakulteti za elektrotehniko, Tržaška cesta 25, Ljubljana.

Predavanje bo potekalo v angleščini.

Biografija v angleščini:

Prof. Christophe Ballif graduated as a physicist from the EPFL in 1994, where he also obtained in 1998 his Phd degree working on novel PV materials. He accomplished his postdoctoral research at NREL (Golden, US) on compound semiconductor solar cells (CIGS and CdTe). He worked then at the Fraunhofer ISE (Germany) on crystalline silicon photovoltaics (monocrystalline and multi-crystalline) until 2003 and then at the EMPA in Thun (CH) before becoming a full professor at the University of Neuchâtel IMT in 2004, taking over the chair of Prof. A. Shah.

Prof. Christophe Ballif is the director of the Photovoltaics and Thin Film Electronics Laboratory (PV-Lab) at the institute of microengineering (IMT) in Neuchâtel (part of the EPFL since 2009). The PV-Lab has strongly contributed to technology transfer and industrialization of novel devices and full technology with numerous companies.

Since 2013, Prof. Ballif is also the director of the new CSEM PV-Center, also located in Neuchâtel. The CSEM PV-Center is focussing more on industrialisation and technology transfer in the field of solar energy, including solar electricity management and storage. At the core of the CSEM PV-center activities lies several "pilot lines" for various kinds of solar cells manufacturing, with a focus coating technologies, wet chemistry processes for crystalline silicon, metalisation techniques for solar cells, and a platform for developing "ideal



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packaging solutions and polymers" for PV modules. In addition, joined facilities between CSEM and EPFL of over 800 m² are available for modules manufacturing, measuring and accelerated aging. Prof. Ballif was awarded with the Becquerel Prize in 2016. He is a member of Swiss Academy of Engineering Sciences (SATW) and a corresponding member of Slovenian Academy of Engineering.

