

12
2017

NOON TALK @ DIATI

Mercoledì 1 MARZO 2017
ore 13.00

Politecnico di Torino
Aula Bibolini
Piano terra, DIATI ingresso 3

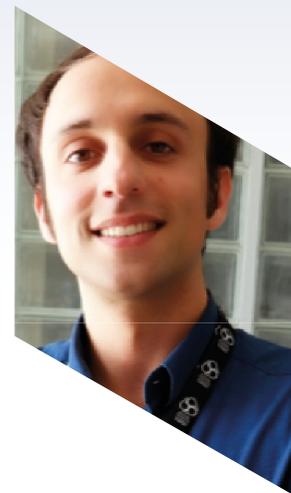


**POLITECNICO
DI TORINO**

Dipartimento di Ingegneria
dell'Ambiente, del Territorio
e delle Infrastrutture

Federico Bella

RTDa at DISAT



“Frontiers in solar cells and batteries”

Prof. **Rajandrea Sethi** moderates the discussion

ABSTRACT

Long-term stability, safety and environmental impact represent milestones in the development of energy devices (solar cells and batteries), even if scientific journals too often focus their attention only to the mere efficiency records achieved by these technologies. The Group of Applied Materials and Electrochemistry (GAME-Lab) focuses its attention to the development of up-scalable and environmentally friendly components for energy devices, such as hybrid cells, sodium-ion batteries and smart windows. Smart polymerization techniques and design of advanced materials represent the way to reach stable and efficient devices, the connection of which is also engineered in order to contrast the intermittency of renewable sources. Frontier applications, such as floating photovoltaics units and aqueous solar cells, will be shown in this talk.

BIOGRAPHY

Federico Bella was born in Torino (1987), received the MSc in Industrial Chemistry at UniTO and the PhD in Electronic Devices in a joint program between PoliTO and IIT. He defended the PhD Thesis in 2015 and became RTD/A in Chemistry in 2016 at DISAT. He has been visiting scientist at Universitat Politècnica de València, National University of Malaysia and École Polytechnique Fédérale de Lausanne. He has been awarded with the “ENI Award” as the best Italian under-30 scientist in the field of renewable energy, the “Premio Sapio Junior 2015” as the best Italian under-30 scientist in the field of research and innovation, the “ENERCHEM-1 Prize” (2015) as the best Italian under-35 researcher for contributions of particular interest in the field of chemistry of renewable energies. He is author of 45 publications in international peer-reviewed journal (h-index = 21). Since 2016 he is the Coordinator of the Young Group of the Italian Chemical Society.

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Please bring
your own mug.
Coffee and tea
will be
provided
”

Save the date for our next speaker-event, on April 5 2017, at 13:00.