



January 3, 2018

Dear ICS members,

It is my pleasure to announce that the 2017 ICS-Adama Prize for Technological Innovation will be awarded to **Prof. Milko Erik van der Boom** of the Weizmann Institute of Science for designing metalloorganic materials with defined and restricted electron-transfer pathways.

The strategy taken by Prof. van der Boom and his group offers important advantages compared with known film fabrication methods. They use sets of components and methods for tailoring a large spectrum of electrochemical properties. In particular, combinations of different redox species and their spatial arrangements allow for determining electron-transfer routes in thin films. These fundamental studies resulted in the generation of coatings that change their transparency and coloration upon applying a low voltage. The high-performance electrochromic materials can be applied to display technology and smart windows for the automotive and construction industry because they can reject heat and reduce glare during the day, but are fully transparent at night. The Weizmann Institute has recently licensed van der Boom's technology to Avery Dennison, a Fortune 500 company, with the intension to bring the electrochromic materials into production in Israel, in Kibbutz Hanita.



Prof. Milko Erik van der Boom
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Milko was born in The Netherlands (1969). He received his BSc in Chemical Engineering from Amsterdam University of Applied Sciences (1992), MSc in Inorganic Chemistry from the University of Amsterdam (1994) and PhD with distinction from the Weizmann Institute (1999, with David Milstein). In 2001, after 3 years of a postdoctoral research at Northwestern University with Tobin Marks he joined the Department of Organic Chemistry at the Weizmann Institute and in 2014 was promoted to Full Professor. He has published 130 papers and 16 patents with over 6000 citations and h-index of 42. Ten of his former coworkers are already faculty or staff members at various universities in Israel, Canada, US, Spain, and India, while others have found leading positions in Intel, HP and Orbotech. He received the Alon Fellowship, the Henri Gutwirth Prize (twice), the ICS Prize for Excellent Young Scientist (2006) and he is the incumbent of the Bruce A. Pearlman Professional Chair.

The award ceremony will take place during the first day of the 83rd ICS Annual Meeting on February 13, 2018.

Congratulations to Milko for his achievements!

Ehud Keinan



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