

Nanomanufacturing: ALD4PV Workshop

Date: Thursday 20.03.2014

Venue: Grand-cafe "De Zwarte Doos", Eindhoven University of Technology

8:30-9:00	Registration & coffee
	Opening and introduction
9:00-9:10	Dr. Diana Garcia-Alonso – Eindhoven Univ. of Technology (NL) <i>Welcome</i>
9:10-9:30	Prof. Erwin Kessels – Eindhoven Univ. of Technology (NL) <i>Introduction to ALD</i>
	Crystalline silicon and heterojunction solar cells
9:30-10:15	Dr. Joachim John (or co-worker)– IMEC (B) <i>Passivation of next generation Silicon solar cells using ALD AlO_x</i>
10:15-10:35	Sjoerd Smit – Eindhoven Univ. of Technology (NL) <i>ALD as an enabling technology for new c-Silicon solar cell concepts</i>
10:35-11:05	Coffee break
	CIGS solar cells
11:05-11:50	Dr. Tobias Törndahl – Uppsala University (SE) <i>Alternative buffer layers by ALD for CuIn_{1-x}Ga_xSe₂ solar cells</i>
11:50-12:10	Dr. Harm Knoop – Eindhoven Univ. of Technology (NL) <i>ALD of Resistive i-ZnO and Conductive Doped ZnO for CIGS</i>
12:10-12:30	Dr. Bart Vermang – Uppsala University (SE) <i>Development of rear surface passivated Cu(In,Ga)Se₂ solar cells</i>
12:30-14:00	Lunch break sponsored by Pfeiffer Vacuum
	DSC solar cells and beyond
14:00-14:45	Dr. Alex Martinson – Argonne National Lab (US) <i>Squeezing heterogeneity out of wide gap oxide surfaces: An ALD approach</i>
14:45-15:05	Dr. Valerio Zardetto – Eindhoven Univ. of Technology (NL) <i>Low temperature ALD for flexible DSC</i>
15:05-15:25	Dr. Nicolas Tétreault – EPFL (CH) <i>From tunneling layers to 3D host-guest nanostructures: ALD role in dye-sensitized solar cells</i>
15:25-16:00	Coffee break
	Upscaling of ALD
16:00-16:45	Dr. Ernst Granneman – Levitech (NL) <i>Implementation of ALD Al₂O₃ films on an industrial scale</i>
17:00-18:00	Drinks sponsored by NEVAC. Networking and lab tour