

Program with time schedule

Monday, February 1

09:00 – 10:00	<i>Arrival and registration with coffee</i>	
10:00 – 10:20	<i>Opening and Introductory remarks</i>	
	The Natural and the Artificial Leaf.	
10:20 – 11:00	James Barber	<i>Natural photosynthesis and fuel supply</i>
11:00 – 11:20	<i>Győző Garab</i>	<i>Discussion*</i>
11:20 – 12:00	S. Styring	<i>Molecular Science for Solar fuel</i>
12:00 – 12:30	<i>Győző Garab</i>	<i>Discussion*</i>
12:30 – 14:00	<i>Lunch</i>	
	Thermodynamic Principles of photoconversion into Fuel.	
14:00 – 14:40	John Golbeck	<i>So little time and so much to do in photosynthesis</i>
14:40 – 15:00	<i>Jan Dekker</i>	<i>Discussion*</i>
15:00 – 15:40	Tom Markvart	<i>Thermodynamics and reciprocity</i>
15:40 – 16:00	<i>Jan Dekker</i>	<i>Discussion*</i>
16:00 – 18:00	<i>Wine & Cheese party</i>	

Tuesday, February 2

	Light-harvesting, electron transfer and multi-electron catalysis using length, time, and energy scales	
09:00 – 09:40	Dror Noy	<i>Lengths, energies and times in Natural processes</i>
09:40 – 10:00	<i>Silvia Völker</i>	<i>Discussion*</i>
10:00 – 10:30	<i>Coffee break</i>	
10:30 – 11:10	Rienk van Grondelle	<i>From natural to artificial photosynthesis</i>
11:10 – 11:30	<i>Silvia Völker</i>	<i>Discussion*</i>
11:30 – 12:00	<i>Gratama session: students and speakers</i>	
12:00 – 13:00	<i>Lunch break</i>	
13:00 – 14:30	<i>Bilateral in-depth discussions and space for ad-hoc discussion groups</i>	
	Nanoscale architecture of light-harvesting	
14:30 – 15:10	Frank Würthner	<i>Supramolecular antenna systems</i>
15:10 – 15:30	<i>Jennifer Herek</i>	<i>Discussion*</i>
15:30 – 16:00	<i>Tea Break</i>	
16:00 – 16:40	Jurriaan Huskens	<i>Nanoscale supramolecular assembly of LH proteins</i>
16:40 – 17:00	<i>Jennifer Herek</i>	<i>Discussion*</i>

Wednesday, February 3

Multi electron catalysis		
09:00 – 09:40	Marc Koper	<i>Thermodynamics and kinetics of multi-electron transfer</i>
09:40 – 10:00	<i>Imre Vass</i>	<i>Discussion</i>
10:00 – 10:30	<i>Coffee break</i>	
10:30 – 11:10	Daniel Nocera	<i>Proton coupled electron transfer</i>
11:10 – 11:30	<i>Imre Vass</i>	<i>Discussion*</i>
11:30 – 12:10	Heinz Frei	<i>Nanostructured water oxidation photocatalysts</i>
12:10 – 12:30	<i>Imre Vass</i>	<i>Discussion*</i>
12:30 – 13:30	<i>Lunch Break</i>	
13:30 – 14:00	<i>Gratama session</i>	<i>Bilaterals and ad-hoc discussion groups</i>
Synthesis, assembly and characterization of photostable components		
14:00 – 14:40	Mike Wasielewski	<i>Synthesis of building blocks</i>
14:40 – 15:00	<i>Aart Kleyn</i>	<i>Discussion*</i>
15:00 – 15:30	<i>Tea Break</i>	
15:30 – 16:10	Tom Moore	<i>Artificial Photosynthesis</i>
16:10 – 16:30	<i>Aart Kleyn</i>	<i>Discussion*</i>
19:00 – 21:00	Conference Dinner: Academiegebouw, Receptiekamer	

Thursday, February 4

Photoelectrochemical water oxidation		
09:00 – 09:40	Holger Dau	<i>Mechanisms of PSII and hydrogenase</i>
09:40 – 10:00	<i>Hans van Gorkom</i>	<i>Discussion</i>
10:00 – 10:30	<i>Coffee break</i>	
10:30 – 11:10	Licheng Sun	<i>Water splitting</i>
11:10 – 11:30	<i>Hans van Gorkom</i>	<i>Discussion</i>
11:30 – 12:10	Marc Fontecave	<i>From enzymes to nanocatalysts: hydrogenases</i>
12:10 – 12:30	<i>Hans van Gorkom</i>	<i>Discussion</i>
12:30 – 13:30	<i>Lunch break</i>	
13:30 – 14:30	<i>Gratama session</i>	<i>Bilaterals and ad-hoc discussion groups</i>
From Photovoltaics towards Artificial Photosynthesis		
14:30 – 15:10	David Cahen	<i>What can we learn from solar cells?</i>
15:10 – 15:30	<i>Laurens Siebbeles</i>	<i>Discussion*</i>
15:30 – 16:00	<i>Tea Break</i>	
16:00 – 16:40	James Durrant	<i>Towards artificial photosynthesis</i>
16:40 – 17:00	<i>Laurens Siebbeles</i>	<i>Discussion*</i>

Friday, February 5

Systems integration for higher order integrated nanodevices		
09:00 – 09:40	Edoardo Garrone	<i>A nanotechnological approach to the Artificial leaf</i>
09:40 – 10:00	<i>John Kennis</i>	<i>Discussion*</i>
10:00 – 10:30	<i>Coffee break</i>	
10:30 – 11:10	Joost Reek	<i>Supramolecular catalysis</i>
11:10 – 11:30	<i>John Kennis</i>	<i>Discussion*</i>
11:30 – 12:10	Alfred Holzwarth	<i>Systems integration and characterization</i>
12:10 – 12:30	<i>John Kennis</i>	<i>Discussion*</i>
12:30 – 14:00	<i>Lunch break</i>	
Closing Session		
14:00 – 14:40	Huub de Groot	<i>Towards a European Roadmap</i>
14:40 – 15:00	<i>Thijs Aartsma</i>	<i>Discussion</i>
15:00 – 15:30	<i>Tea and Farewell</i>	

*To stimulate cross-disciplinary fertilization, for each 40 minute lecture a 20 minute discussion will be led by a participant from another area than the speaker, these discussion leaders will have prior access to the presentations of the lecturers to prepare for the discussions