



**Energy &  
Environmental  
Science**



# EES: New Directions in Energy Research

Hameetman Auditorium, Cahill Building, California Institute of Technology

 #EESymp

8:30 AM	Coffee and Registration	
9:00 AM	Welcome and Introductory Remarks	<b>Katie Lim</b> <i>EES Executive Editor</i> Royal Society of Chemistry
9:05 AM	A Perspective of a Decade of Energy and Environmental Science	<b>Nathan Lewis</b> <i>EES Editorial Board Chair</i> California Institute of Technology
	Progress, Challenges and Opportunities in Artificial Photosynthesis	
9:50 AM	Molecular Approaches to Artificial Photosynthesis	<b>Michael Wasielewski</b> Northwestern University
10:30 AM	Coffee Break	
11:00 AM	Discussion of Artificial Photosynthesis at Pilot Scale	<b>Kyung Byung Yoon</b> Sogang University
11:40 AM	Status of Advanced Concepts for Future Generation PV and Solar Fuels vis a' vis Great Recent Progress in First Generation PV	<b>Arthur Nozik</b> NREL & University of Colorado Boulder
12:20 PM	Lunch	
1:40 PM	Water Oxidation and Hydrogen Production in Nature: What Did We Learn During the Past Decade	<b>Wolfgang Lubitz</b> Max Planck Institute for Energy Conversion
2:20 PM	AIM-ing for Catalyst Synthesis with Single-Atom Precision	<b>Joseph Hupp</b> Northwestern University
3:00 PM	Coffee Break	
3:30 PM	"Perspectives" Past and Future	<b>Robert Socolow</b> Princeton University
4:10 PM	Panel Discussion: Opportunities in Energy and Environmental Science	<b>All Speakers</b> Led by <b>Nathan Lewis</b>
5:00 PM	Closing Remarks	<b>Katie Lim</b> <i>EES Executive Editor, RSC</i>

Please join us for a reception in the  
Hameetman Foyer to celebrate  
**EES' 10<sup>th</sup> Anniversary**

