

**The First Workshop of A3 Foresight Program**  
**Junctioned Composite Photocatalytic Systems for Efficient Overall Water Splitting**  
**January 9-12, 2011, Dalian, China**

<b>January 10 (Monday)</b>	
<b>Session 1 chairpersons: Can Li and Jun Kubota</b>	
08:30-09:00	Opening ceremony
<b>09:00-09:30</b>	<b>Taking photos &amp; Coffee break</b>
09:30-10:00	<b>Can Li</b> ( Professor, China) Introduction of the A3 Foresight Program “Junctioned composite photocatalytic systems for efficient overall water splitting”
10:00-10:30 (J1)	<b>Jun Kubota</b> (Associate Professor, Japan) Infrared study on photocatalysis for water splitting
10:30-11:00 (K1)	<b>Kanak P.S. Parma</b> (Research Professor, Korea) Artificial photosynthesis and energy production using selective semiconductors materials
11:00-11:30 (C1)	<b>Hongxian Han</b> (Associate Professor, China) Synergistic effect of co-catalyst loading on photocatalytic water splitting
11:30-12:00 (J2)	<b>Tsutomu Minegishi</b> (Assistant Professor, Japan) Chalcogenide thin film based photocathodes for water splitting
<b>12:00-14:00</b>	<b>Lunch time</b>

**Session 2 chairperson**

16:00-16:20 (J4)	<b>Xuwan Lu</b> (PhD student, Japan) Surface modification of p-type Si photoelectrodes with oxide materials for hydrogen evolution
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11:20-11:40 (C7)	<b>Wenhua Zhang</b> (Professor, China) Solution-phase synthesis of single-crystalline SnSe nanowires
11:40-12:00 (K7)	<b>Duck Hyun Youn</b> (PhD student, Korea) Transition metal nitrides for oxygen reduction reaction in fuel cells
<b>12:00-14:00</b>	<b>Lunch time</b>
<b>Session 6 chairpersons: Fuyu Wen and Tsuyoshi Takata</b>	
14:00-14:20 (C8)	<b>Yi Ma</b> (PhD student, China) Enhancing hydrogen production activity and suppressing CO formation in photocatalytic biomass reforming on Pt/TiO <sub>2</sub> through optimization of anatase-rutile phase structure
14:20-14:40 (J11)	<b>Yosuke Moriya</b> (Postdoc, Japan) Synthesis of La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> and LaTiO <sub>2</sub> N using alkali metal salts as flux
14:40-15:00 (K8)	<b>Ji Wook Jang</b> (PhD student, Korea) New synthesis method for water soluble graphene
<b>15:00-15:20</b>	<b>Coffee break</b>
<b>Session 7 chairpersons: Xiuli Wang and Mengkui Tian</b>	