

## IV. Programs

### PTES2016 Program for Tutorial Lectures

(Venue: Nan Yang Hotel)

Monday, May 23, 2016	
14:00-18:00	Registration
Tuesday, May 24, 2016	
Chair: Prof. Baowen Li	
08:30-09:20	Registration
09:20-09:30	Opening Ceremony
09:30-10:30	<u>Xiulin Ruan</u> (Purdue University, USA) First-principles based calculations of lattice thermal conductivity
10:30-10:50	Tea Break
10:50-11:50	<u>Xiaojia Wang</u> (University of Minnesota, USA) Ultrafast Optical Characterization of Thermal Transport in Micro/Nanostructured Materials: Basic TDTR and Advanced Techniques. I
12:00-13:30	Lunch
13:30-14:30	<u>Xiulin Ruan</u> (Purdue University, USA) First principles calculations of electron-phonon coupling and non-equilibrium in thermal transport. I
14:30-14:50	Tea Break
14:50-15:50	<u>Lin Tian</u> (University of California Merced, USA) Quantumness of Mechanical Systems and Optomechanical Quantum Interface. I
15:50-16:10	Tea Break
16:10-17:10	<u>Asegun Henry</u> (Georgia Institute of Technology, USA) Understanding Phonon Transport Using Lattice Dynamics and Molecular Dynamics. I
17:30-19:00	Dinner

## Wednesday, May 25, 2016

Chair: Prof. Asegun Henry

08:30-09:30	<b><u>Xiulin Ruan</u></b> (Purdue University, USA) First principles calculations of electron-phonon coupling and non-equilibrium in thermal transport. II
<b>09:30-09:50</b>	<b>Tea Break</b>
09:50-10:50	<b><u>Fabrice Vallee</u></b> (University of Lyon, France) Acoustic vibration of nanoparticles. I
<b>10:50-11:10</b>	<b>Tea Break</b>
11:10-12:10	<b><u>Fabrice Vallee</u></b> (University of Lyon, France) Acoustic vibration of nanoparticles. II
<b>12:10-13:30</b>	<b>Lunch</b>
13:30-14:30	<b><u>Xiaojia Wang</u></b> (University of Minnesota, USA) Ultrafast Optical Characterization of Thermal Transport in Micro/Nanostructured Materials: Basic TDTR and Advanced Techniques. II
<b>14:30-14:50</b>	<b>Tea Break</b>
14:50-15:50	<b><u>Lin Tian</u></b> (University of California Merced, USA) Quantumness of Mechanical Systems and Optomechanical Quantum Interface. II
<b>15:50-16:10</b>	<b>Tea Break</b>
16:10-17:10	<b><u>Asegun Henry</u></b> (Georgia Institute of Technology, USA) Understanding Phonon Transport Using Lattice Dynamics and Molecular Dynamics. II
<b>17:30-19:00</b>	<b>Dinner</b>