

Recent Developments in Nano Materials for Energy and Health Care Applications

TENTATIVE SCHEDULE

Monday, December 19, 2016:

Registration: 8:30 AM to 9:30 AM

Inaugural Function: 10:00 AM to 11:00 AM

High Tea: 11:00 AM to 11:30 AM

Lecture 1: 11:30 AM – 12:30 PM

- An Overview of Nanotechnology.

Lunch Break

Lecture 2: 2:00 PM – 3:00 PM

- Chemistry and Physics of Nanomaterials.

Tuesday, December 20, 2016:

Lecture 3: 10:00 AM – 11:00 AM

- Essentials of Solid State Chemistry.

Tea Break

Lecture 4: 11:30 AM – 12:30 PM

- Crystal Structures of Functional Materials.

Hands-on Tutorial 1: 12:30 PM – 1:30 PM

Wednesday, December 21, 2016:

Lecture 5: 10:00 AM – 11:00 AM

- Origin of Magnetic Properties in Solids.

Tea Break

Lecture 6: 11:30 AM – 12:30 PM

- Magnetism at Nano Scale.

Hands-on Tutorial 2: 12:30 PM – 1:30 PM

Thursday, December 22, 2016:

Lecture 7: 10:00 AM – 11:00 AM

- Nano Materials for Sustainable Energy.

Tea Break

Lecture 8: 11:30 AM – 12:30 PM

- Water Splitting by Nano-sized Catalysts as Electrodes.

Lunch Break

Lecture 9: 2:00 PM – 3:00 PM

- Nano Materials in Health Care Applications.

Saturday, December 24, 2016:

Lecture 10: 9:00 AM – 10:00 AM

- Current Trends and Future Prospects of Nano Materials in Diagnostic and Curative Therapies.

Tea Break

Exam and Evaluation of Participants: 10:30 AM – 11:30 AM

Valedictory Function: 11:45 AM – 12:30 PM