

中央研究院特別講座

朱棣文院士 **Academician Steven Chu**

- William R. Kenan, Jr. Professor of Physics and Professor of Molecular and Cellular Physiology, Stanford University
- Nobel Laureate in Physics 1997
- The 12th U.S. Secretary of Energy

【第 1 場演講】

時間： 2 月 27 日(二)下午 4 點-5 點

地點： 中央研究院物理研究所 1 樓

題目： ***Climate Change and Technical Paths to a Sustainable Future***

摘要： The industrial and agricultural revolutions have profoundly transformed the world, but the unintended consequence of these revolutions is that humans are changing the climate of Earth. I will briefly describe new data on the risks of climate change, before turning to how progress in carbon-free energy can provide a low-cost path to a more sustainable world. The remaining scientific and technology challenges that need to be overcome in the full transition to clean energy solutions will also be described.

【第 2 場演講】

時間： 2 月 28 日(三)下午 3 點-4 點

地點： 中央研究院基因體研究中心 1 樓

題目： ***Bio-imaging, Batteries and Beyond***

摘要： Our current applications in the development of nanoparticle probes for optical live cell and animal imaging and combined SEM-cathodoluminescence imaging will be described. If time permits, applications of nanotechnology to lithium ion batteries will be discussed.

線上註冊：http://dia.sinica.edu.tw/chi/index_chi.html

Special Lecture

Academician Steven Chu 朱棣文院士

- William R. Kenan, Jr. Professor of Physics and Professor of Molecular and Cellular Physiology, Stanford University
- Nobel Laureate in Physics 1997
- The 12th U.S. Secretary of Energy

Lecture I

Topic: ***Climate Change and Technical Paths to a Sustainable Future***

Date: Tuesday, February 27, 2018 at 16:00-17:00

Venue: Institute of Physics, Academia Sinica

Abstract: The industrial and agricultural revolutions have profoundly transformed the world, but the unintended consequence of these revolutions is that humans are changing the climate of Earth. I will briefly describe new data on the risks of climate change, before turning to how progress in carbon-free energy can provide a low-cost path to a more sustainable world. The remaining scientific and technology challenges that need to be overcome in the full transition to clean energy solutions will also be described.

Lecture II

Topic: ***Bio-imaging, Batteries and Beyond***

Date: Wednesday, February 28, 2018 at 15:00-16:00

Venue: Genomics Research Center, Academia Sinica

Abstract: Our current applications in the development of nanoparticle probes for optical live cell and animal imaging and combined SEM-cathodoluminescence imaging will be described. If time permits, applications of nanotechnology to lithium ion batteries will be discussed.

On-Line Registration: <http://dia.sinica.edu.tw/index.htm>