

## SOLVAY COLLOQUIUM (Forum F)



### Prof. Steven Chu (Stanford University, USA)

**Steven Chu** is Professor of Physics, Molecular and Cellular Physiology, as well as Energy Science and Engineering at Stanford University. He received the 1997 Nobel Prize in Physics for laser cooling and trapping of atoms. From 2009 to 2013 Prof. Chu served as US Secretary of Energy, where he began ARPA-E, the Energy Innovation Hubs, and was tasked by President Obama to help BP stop the Macondo Oil spill.

### The challenges and opportunities of getting to net-zero GHG emissions

Multiple industrial and agricultural revolutions have profoundly transformed the world, but these revolutions are changing the climate of Earth. Most of our energy sources and many of the materials we use are based on fossil-fuel. The challenges how to provide clean energy, water, air and food in a world of 8.2 billion people and projected to be 9.8 billion by 2050 are formidable. After a brief summary of our current trajectory, I will discuss the progress, opportunities and challenges needed to achieve net-zero greenhouse emissions.

**Tuesday 13 January 2026 at !3:30 p.m.!**

COFFEE AND TEA WILL BE SERVED AT 3:15 P.M IN FRONT OF **!!FORUM F!!**

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