

Plenary 5 (Online)

October 7 (Thursday), 09:00-09:40

**Prof. Hideo Hosono***Tokyo Institute of Technology, Japan***Biography**

Hideo Hosono received a Ph.D. in Applied Chemistry from Tokyo Metropolitan University in 1982, and became a professor of Tokyo Institute of Technology in 1999. He is now an honorary and institute professor (director of The Materials Research Center for Element Strategy, MCES) of Tokyo Tech and a group leader (a distinguished fellow) at The International Center for Materials Nanoarchitectonics (MANA) of NIMS. His research focus is creation of novel functional materials. The representative achievements are material designing of transparent oxide semiconductors such as IGZO and their TFT applications for flat panel displays, creation of RT stable electrides and their application to catalysts for ammonia synthesis, and discovery of high-T_c iron-based superconductors. He is a recipient of various honors including the Japan Prize, von Hippel Prize (MRS), J.Mc Groddy Prize (APS), Jan Raychman Prize (SID), Thomson Reuter Citation Laureate and a foreign fellow of the Royal Society.