



## **Citation for Dr Goki Eda**

### **Young Researcher Award**

Dr Goki Eda is known for his several pioneering works in the emerging field of two-dimensional (2D) materials, which are crystalline, sheet-like materials with thicknesses of no more than a few atoms. Since he joined NUS as a National Research Foundation Fellow in 2011, he has actively worked on both the fundamental and applied aspects of nanomaterials synthesis and devices. His interdisciplinary work focusing on the unique physical and chemical properties of 2D materials has been highly recognised by the scientific community. He has given over 20 invited and plenary talks at international conferences and his papers published in the last three years have received over 500 citations. He has also received the Institute of Physics Singapore's Omicron Nanotechnology Medal and Prize, and our Faculty of Science's Young Scientist Award in recognition of his achievements.

Goki's academic contributions span over multiple disciplines. He and his collaborators revealed intriguing electrical, optical and electrochemical phenomena associated with atomically thin semiconductors. In his recent work, Goki and his coworkers demonstrated that some 2D materials absorb as much as 30 % of incident light despite being only three-atoms-thick. This is an unusually strong interaction between light and matter, and is of great interest to both fundamental research and technological applications. Goki's research team aspires to translate such unusual basic phenomena into novel enabling technologies.

This evening, we are pleased to honour Dr Goki Eda with a Young Researcher Award.