Installation ceremony and lecture by the 2020 Tage Erlander Professor

Zhi-Xun Shen

In Search for the Next Magic Stone

Professor Zhi-Xun Shen
Departments of Physics and Applied Physics
Stanford University

Materials demarcate periods of human civilization. The current period can be argued as defined by silicon, the magic stone that transformed the way we live. In this talk, I will discuss how the concept of quantum, and the 1st wave of quantum revolution led to the rise of silicon, integrated circuit, Silicon Valley and the information age. I will then discuss the opportunities and challenges beyond silicon, and theoretical ideas and experimental tools needed to enable the next wave of quantum, in search for the next magic stone.

Time: Monday 2022-04-11 kl 15.30

Place: FR4 (Oskar Kleins auditorium), Roslagstullsbacken 21

Beverages and finger food will be served after the lecture

Please register at: Registration form

Zhi-Xun Shen is a Paul Pigott Professor in Physical Sciences at Stanford University. He graduated with a B.S. from Fudan University in 1983, obtained his M.Sc. at Rutgers University 1985 and in 1989 he obtained his PhD in applied physics from Stanford University. Prof. Shen is renowned condensed matter physicist who has made seminal contributions to the field of quantum matter and in particular high temperature superconductivity. He has received the E.O. Lawrence Award, the Oliver Buckley Prize and is a Fellow of the American Academy of Arts and Sciences as well as foreign member of the Chinese Academy of Sciences.
Prof. Shen is the holder of the 2020 Tage Erlander Professorship and a Guest Professor at KTH

KTH Hannes Alfvens väg 12, 114 19 Stockholm. E-post: oscar@kth.se
Momsreg.nr/VAT: SE202100305401. www.kth.se