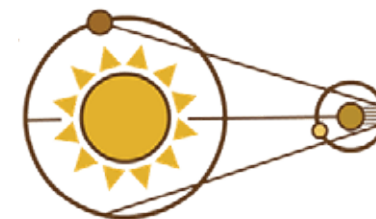


Aarhus University presents

# The Ole Rømer Colloquium Series



Wednesday, June 8th @ 14:15 (sharp!)  
Physics Auditorium

## Professor Zhi-Xun Shen

Departments of Physics & Applied Physics  
Stanford University, US

### In Search of the Next Magic Stone

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.

**Students & staff are all invited!**

**14:00-14:15: Informal discussions, cake & coffee**

**14:15-15:15: Seminar and Q&A**

**15:15-15:45: Special session between students & speaker**