Physicists train students with analytical skills and mindsets to tackle a wide variety of problems. These include interesting natural phenomena and problems that are unrelated to physics. Many physicists apply their skills in other careers. This talk will present the diverse career and progression opportunities for physicists. We will discuss some examples of successful physicists in academia, the government sector and industry, with emphasis on the applicability and value of these skills at the workplace.

Prof Sow Chorng Haur obtained his B.Sc. in 1991 and M.Sc. in Physics in 1993 from NUS and his Ph.D. in 1998 from the University of Chicago. He was a postdoctoral fellow at Bell Laboratories from 1999 to 2000. His current research is on laser-matter interaction, especially for low dimensional materials, development of laser pruning methods for micro-patterning of a wide variety of nanostructured materials, studies of the physical properties of nanostructured materials and studies of two-dimensional (2D) materials with a focus on the laser modification of these 2D materials en route to functional materials. Prof Sow is Head of the Physics department.
An Exciting Journey: The NUS Physics Curriculum

Synopsis
The talk will introduce NUS’ Physics department and give a concise description of the major programmes offered. We will also share on other exciting opportunities for our undergraduate students, among them double degree programmes, minors, specialisations, student exchanges and internships.

Speaker

Prof Thomas Osipowicz studied physics in Göttingen, Germany. He obtained his Ph.D. there in 1990 and joined NUS in 1992. The main focus of his research is the development and application of ion-beam based analytical and lithographic techniques, Ion Beam Analysis and Nuclear Microscopy, as well as the application of these techniques to materials science, microelectronics engineering and the life sciences. He is the Director of the Centre for Ion Beam Applications. He has published at least 203 papers in international refereed journals. He is currently Deputy Head (Education) at the department.