

Nobel Laureate Talk Series October and November 2019 | Deadline: 29 Sept 2019

Dear Students,

The Nobel Laureate Talk Series, organised by the Innovation and Technology Bureau will be held on 10 October and 19 November 2019.

Two Nobel Prize winners, Professor Donna Strickland (The Nobel Laureate in Physics 2018) from the University of Waterloo, Canada, and Professor Sir Fraser Stoddart (The Nobel Laureate in Chemistry 2016) from the Northwestern University, the United States of America, will share their scientific discovery journeys with secondary and university students and teachers in Hong Kong.

The Nobel Laureate Talks will provide participants with insights and inspirations on scientific pursuit, exploration and discovery of the fun and challenges in doing science as well as in pursuing innovation and technology (I&T), and their applications in daily life. The talks will also provide precious opportunities for the participants to interact with the brightest scientists in the world.

Details of the arrangement are set out as follows:

Date	10 October 2019 (Thursday)	19 November 2019 (Tuesday)
Time	14:30-15:35	17:00-18:20
Speaker	Professor Donna Strickland (The Nobel Laureate in Physics 2018)	Professor Sir Fraser Stoddart (The Nobel Laureate in Chemistry 2016)
Theme	<i>Generating High-Intensity Ultrashort Optical Pulses</i>	<i>My Journey to Stockholm</i>
Language	English	English
Venue	Grand Hall, 12W, Hong Kong Science Park	Grand Hall, 12W, Hong Kong Science Park

Shuttle Bus Services

Shuttle bus services will be provided from Kowloon Tong MTR Station to the venue at the Hong Kong Science Park. Advanced reservation is needed.

Application

HKU will nominate up to 40 participants to attend the Nobel Laureate Talks.

Admission is free. All are welcome.

Please click [here](#) to register on/before **29 Sept 2019 (Sunday)** if you wish to attend the talk(s).

Priority will be given to students from discipline of sciences/ medicine/ dentistry/ health (or other relevant disciplines). Other places will be processed on a first-come-first-served basis.

Applicants will be notified of the application results in the week of 2-4 Oct 2019.

Enquiries

Please contact Ms Carla Cheung at carlachs@hku.hk.

Regards,

Carla Cheung

Publications and Publicity Officer

Centre of Development and Resources for Students

NOBEL LAUREATE TALK SPEAKER



Professor
Department of Physics and
Astronomy
University of Waterloo

Professor Donna Strickland

The Nobel Prize in Physics 2018

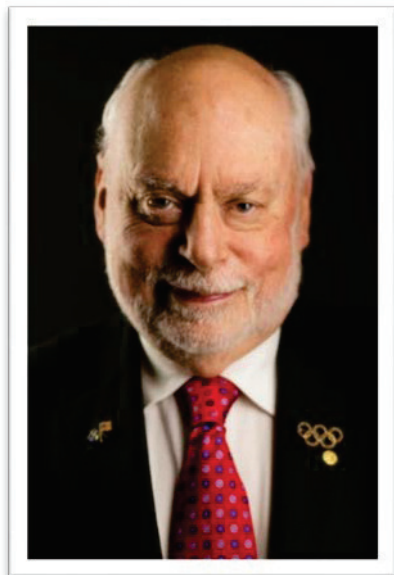
Professor Donna Strickland is a professor in the Department of Physics and Astronomy, University of Waterloo in Canada.

Professor Strickland is one of the recipients of the Nobel Prize in Physics 2018 for developing chirped pulse amplification with Gérard Mourou, her PhD supervisor at the time. They published this Nobel-winning research in 1985 when Strickland was a PhD student at the University of Rochester in New York state. Together they paved the way towards the most intense laser pulses ever created. The research has applications today in industry and medicine — including the cutting of a patient’s cornea in laser eye surgery, and the machining of small glass parts for use in cell phones.

Professor Strickland was a research associate at the National Research Council Canada, a physicist at Lawrence Livermore National Laboratory and a member of technical staff at Princeton University. In 1997, she joined the University of Waterloo, where her ultrafast laser group develops high-intensity laser systems for nonlinear optics investigations.

Professor Strickland is the third woman to win the Nobel Prize in Physics since 1901. The first was Marie Curie in 1903, and the second was Maria Goeppert Mayer in 1963.

NOBEL LAUREATE TALK SPEAKER



Board of Trustees Professor
Department of Chemistry
Northwestern University

Professor Sir Fraser Stoddart

The Nobel Prize in Chemistry 2016

Professor Sir Fraser Stoddart is the Board of Trustees Professor of Chemistry at the Northwestern University, United States of America.

Professor Stoddart is one of the recipients of the Nobel Prize in Chemistry 2016 with Jean-Pierre Sauvage and Ben Feringa for their design and synthesis of molecular machines.

Professor Stoddart earned his BSc in 1964 and PhD in 1967 at the University of Edinburgh. He was a postdoctoral fellow at Queen's University in Kingston, Canada and a research fellow at the University of Sheffield. In 1990 he became chair of organic chemistry at the University of Birmingham, and in 1997 moved to University of California, Los Angeles (UCLA). In 2002, he joined the California NanoSystems Institute, rising to director in 2007, and in 2008 joined Northwestern University as a Board of Trustees Professor, establishing a Mechanostereochemistry Group in Evanston, Illinois.

Professor Stoddart performed much of his work at UCLA where his team produced a large-scale 'ultra-dense' memory device that stores information using controllable molecular switches. This is an important step towards the creation of molecular computers that are much smaller and potentially more powerful than today's silicon-based models.