

Hoang Long Nguyen

 long.nguyen@ntu.edu.sg

 Singapore/Vietnam

 longnguyen270197

Education

Nanyang Technological University & University of Groningen, Physical Chemistry
Double Degree.
Thesis title: Excitonic Energy Transfer Processes in Photosynthetic Systems studied with Two-dimensional Electronic Spectroscopy.

Singapore
2019 – 2024

Nanyang Technological University, Applied Physics
Honours (Highest Distinction).
Minor in Nanotechnology.

Singapore
2015 – 2019

Experience

Nanyang Technological University, Research Fellow

Singapore
2024 – present
2 years

Nanyang Technological University, Project Officer

Singapore
2019 – 2019
1 year

Awards

Nobel Prize in Physics

Nov 1921

The Nobel Prizes are five separate prizes that, according to Alfred Nobel's will of 1895, are awarded to 'those who, during the preceding year, have conferred the greatest benefit to humankind.'

Royal Swedish Academy of Sciences

www.nobelprize.org/prizes/physics/1921/einstein/biographical

Max Planck Medal

2029

Awarded for outstanding scientific achievement

German Physical Society

Publications

Zur Elektrodynamik bewegter Körper

It concerned an interpretation of the Michelson–Morley experiment and the properties of light and time. Special relativity incorporates the principle that the speed of light is the same for all inertial observers regardless of the state of motion of the source.

Albert Einstein

en.wikisource.org/wiki/Translation:On_the_Electrodynamics_of_Moving_Bodies

Über einen die Erzeugung und Verwandlung des Lichtes betreffenden heuristischen Gesichtspunkt

In the second paper, he applied the quantum theory to light to explain the photoelectric effect. In particular, he used the idea of light quanta (photons) to explain experimental results, but stressed the importance of the experimental results. The importance of his work on the photoelectric effect earned him the Nobel Prize in Physics in 1921.

Albert Einstein

de.wikisource.org/wiki/%C3%9Cber_einen_die_Erzeugung_und_Verwandlung_des_Lichtes_betreffenden_heuristischen_Gesichtspunkt

Die Grundlage der allgemeinen Relativitätstheorie

The publication of the theory of general relativity made him internationally famous. He was professor of physics at the universities of Zurich (1909–1911) and Prague (1911–1912), before he returned to ETH Zurich (1912–1914).

Albert Einstein

de.wikisource.org/wiki/Die_Grundlage_der_allgemeinen_Relativit%C3%A4tstheorie

Skills

Physics

Languages

German

Native speaker

English

Fluent

Interests

Physics

Certificates

Machine Learning

Jan 2018

Quantum Computing

Jan 2018

Quantum Information

Jan 2018

Projects

Quantum Computing

Jan 2018 – Jan 2018

Quantum computing is the use of quantum-mechanical phenomena such as superposition and entanglement to perform computation. Computers that perform quantum computations are known as quantum computers.

- Quantum Teleportation
- Quantum Cryptography

References

Professor John Doe

Professor Jane Smith