

Hoang Long Nguyen

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Education

- Nanyang Technological University & University of Groningen**, Physical Chem- Singapore & the Netherlands
istry
• Thesis title: Excitonic Energy Transfer Processes in Photosynthetic Systems 2019 – 2024
studied with Two-dimensional Electronic Spectroscopy
- Nanyang Technological University**, Applied Physics Singapore
• Honours (Highest Distinction). 2015 – 2019
• Minor in Nanotechnology.

Experience

- Nanyang Technological University**, Research Fellow Singapore
2024 – present
2 years
- Nanyang Technological University**, Project Officer Singapore
2019 – 2019
1 year

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