
Prof. Cheong Kang Hao

Assistant Professor



Affiliation: Science, Mathematics and Technology

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Education

- PhD, Electrical & Computer Engineering, NUS, 2015
- BSc (Hons) in Applied Mathematics & University Scholars Programme, NUS, 2008
- Postgraduate Diploma in Education (Teaching of Mathematics/Physics), NIE/NTU, 2009

Year joined SUTD

- January 2019

Career

- Assistant Professor, Science and Math Cluster, Singapore University of Technology and Design, 2019 - present
- Assistant Professor, Engineering Cluster, Singapore Institute of Technology
- Head of Mathematics Department, Tanglin Secondary School
- Senior Head, Academic Research Section, MOE Higher Education Division
- Year Head & Mathematics Teacher, NUS High School of Math & Science

Research Interests

Modeling, simulation and scientific computing

- Scientific study of the Parrondo effect & its real-world implications (physical and biological problems),
- Computational electron optics/ Spectrometer design,
- Big data analytics,
- Application of operational research models for the improvement of health services and healthcare operations.