
Dr. Tan Da Yang

Lecturer

Affiliation: Science, Mathematics and Technology

Email: dayang_tan@sutd.edu.sg

Telephone: +65 6499 8752

Website: <https://smt.sutd.edu.sg/people/faculty/tan-da-yang>



Education

- PhD: 2016, Physics, National University of Singapore
- Postdoc:
 - 2016, Nanyang Technological University
 - 2017, Mathematics and Mathematics Education Academic Group, National Institute of Education, Nanyang Technological University

Year joined SUTD

- 2018

Research/Teaching Interests

Da Yang graduated from National University of Singapore with a Ph.D. in Physics for his theoretical work on open quantum systems, under Prof Gong Jiangbin.

Following his long term interests in education and pedagogy, Da Yang joined the Mathematics and Mathematics Education Academic Group in the National Institute of Education (NIE) as a Research Fellow where he worked on the curriculum review for the post-graduate diploma courses. During his stint with NIE, he proposed an encompassing nested framework for curriculum review, and the framework is being explored in the curriculum review within the academic group.

His current research interests lie in the pedagogies for science and mathematics tertiary education, transition from pre-tertiary to tertiary education, and applied science and mathematics education for professionals. He is also interested in exploring education from a complex systems perspective, and to understand if there are any emergent behaviours in such a highly interacting social system.

Research Interests

- Education pedagogies for science and mathematics tertiary education
- Transition from pre-tertiary to tertiary education
- Applied science and mathematics education for professionals
- Complex social systems and dynamics