



**THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY**

**Department of Mathematics**

**SEMINAR ON PURE MATHEMATICS**

**Minimal surface and hypersurface doublings**

by

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**Abstract**

After a brief introduction recalling classical and semi-classical results and conjectures, I will discuss the current status of minimal surface and hypersurface doublings and their geometry, including recent results with J. Zou on hypersurface doublings (arXiv:2405.18283v2), the index of some minimal surface doublings (arXiv:2512.07734v1.pdf), and if time allows ongoing work and open problems.

**Date : 20 April 2026 (Monday)**

**Time : 4:00p.m.-5:00p.m.**

**Venue : Room 4582 (Lift 27/28 )**

*All are Welcome!*