



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

## **SEMINAR ON PDE**

# **Continuity of solutions to doubly nonlinear parabolic equations**

By

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### **Abstract**

I will report some recent advances on the local continuity of weak solutions to some doubly nonlinear parabolic equations, which include the parabolic  $p$ -Laplacian, the porous medium equation and the Stefan problem as particular cases. Various moduli of continuity are obtained depending upon the type of nonlinearity.

**Date : 5 November 2021 (Friday)**

**Time : 3:00pm**

**Zoom Meeting : <https://hkust.zoom.us/j/96522228911> (Passcode: 630202)**

*All are Welcome!*