## Talk on September 27, 2024, 11:30 am

## Speaker: Prof. Marco Gualtieri, University of Toronto

Title: Double groupoids and generalized Kahler structures

Abstract:

The underlying holomorphic structure of a generalized Kahler structure has been recently understood to be a square in the double category of holomorphic symplectic groupoids (or (1,1)-shifted symplectic stacks). I will explain what this means and how it allows us to describe the generalized Kahler metric in terms of a single real scalar function. This is joint work with Yucong Jiang and Daniel Alvarez.