

Modelling and Analysis in Differential Equations and Data Science (MADEDS)

In conjunction with the KU–UP Seminar

15 July 2025 (Tuesday)

Kanazawa University, Japan

Time	Speaker	Title
13:45 – 14:00	Opening Remarks	–
14:00 – 14:20	Gervy Marie Angeles	Stiffness-Induced Bifurcations in Filament Strips
14:20 – 14:35	Kloudene Salazar	Patterns, Insights, and Predictive Modeling of a Five-Year National Dataset on Artificial Inseminated Buffaloes (<i>Bubalus bubalis</i> L.)
14:35 – 14:55	Hirofumi Notsu	An adaptive stabilized Lagrange–Galerkin method
14:55 – 15:10	Yuma Nakamura	Well-posedness results for general reaction-diffusion transport of oxygen in encapsulated cells
15:10 – 15:30	Victoria May Mendoza	Persistent homology analysis of human populations reveals topological signatures of admixture
15:30 – 15:40	Break	–
15:40 – 16:00	Masato Kimura	Energy-consistent phase field models for various fracture phenomena
16:00 – 16:15	Vina Apriliani	Two-Step Minimization Approach to Sobolev-type Inequality with Bounded Potential in 1D
16:15 – 16:35	Renier Mendoza	Data-Driven Optimization of Flood Evacuation Routes in the Philippines: A Multi-Objective Approach
16:35 – 16:50	Rachelle Guanga	Electric Vehicle Charging Station Locations Optimization
16:50 – 17:10	Koya Sakakibara	Error estimate for regularized optimal transport problems via Bregman divergence
17:10 – 17:20	Closing Remarks	–