Advances in Continuous and Discrete Models
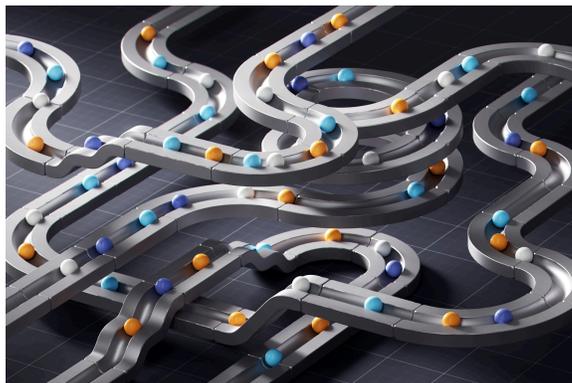
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Call for Papers
Optimal Control, Mean-Field Games, and PDEs in Decision Models

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This collection focuses on recent advances in **optimal control, mean-field games, and partial differential equations (PDEs) in decision models**, bringing together research that addresses both theoretical developments and practical applications. These mathematical frameworks play a crucial role in understanding complex systems where multiple interacting agents, uncertainty, and dynamic decision-making processes are involved.

Topics of interest include developments in viscosity solutions, Hamilton–Jacobi–Bellman equations, stochastic control theory, and diffusion processes, as well as studies on convergence, stability, and uniqueness of solutions. Contributions that demonstrate applications of these methods in areas such as economics, engineering, mathematical biology, and other interdisciplinary fields are also encouraged, highlighting how advanced mathematical tools can support more effective modeling and optimization of real-world systems.

Guest Edited By:

- Dr. Yeoneung Kim, Seoul National University of Science and Technology, South Korea
- Dr. Son Tu, Baylor University, Texas, USA

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