SUNY Korea
The State University
of New York

AMS SEMINAR I

Differentiation, Generalized Differentiation, and Applications

MONDAY
25 September 2023

TIME
06:40 pm-7:40 pm

LOCATION
B105

SPEAKER

Thieu Nguyen

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This talk serves as an introductory overview of generalized differentiation. We will present the concepts of generalized differentiation and their applications in optimization and optimal control. Firstly, we will revisit the definition of classical differentiability and explore some related results in optimization problems. Then, we will delve into nonsmooth techniques designed for scenarios where classical differentiation is inapplicable. Lastly, we will discuss the applications of these principles in optimal control and introduce some ongoing research problems.