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Institute for Operations Research & the Management Sciences

Student Chapter

INFORMS Seminar Series

Smart Manufacturing with Functional Data

Modern manufacturing needs to optimize the entire product lifecycle to satisfy the highly diverse customer needs. With the deployment of Internet of Things, data-driven decision making is expected to enable smart manufacturing to achieve high level of adaptability and flexibility. Such a manufacturing system generates temporally dense data sets. This research focuses on data-driven manufacturing modeling problems with functional data, where the models will be used in data-driven decision making in smart manufacturing. Examples in functional variable selections and data interpretation from natural language processing perspective will be discussed in this talk. The methodology has been broadly applied to many advanced manufacturing processes, such as aero-engine manufacturing, semiconductor manufacturing, etc.

SPEAKER INFORMATION

Dr. Ran Jin
Assistant Professor

Grado Department of Industrial & Systems Engineering

SEMINAR SESSION INFORMATION

DATE: Wednesday, March 15

TIME: 12:15pm

LOCATION: Durham 260

PROVIDED: Pizza and Soda

MEMBERSHIP INFORMATION

Fees are as follows and include all weekly seminars (12+) & workshops.

FIRST MEETING: FREE

MEETING: $5

SEMESTER: $25

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