The Mathematics Seminar Series
Presented by The Department of Mathematics

RESEARCH PROJECTS IN DATA-ENABLED INDUSTRIAL MATHEMATICS

Guest lecturer: Dr. Mihhail Berezovski
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Date: March, 11, 2021
Time: 12:30-1:30 PM

https://erau.zoom.us/j/6552516630

ABSTRACT:
Increasingly, industries hiring mathematicians want their new hires to have experiences that extend beyond the classroom. Therefore, offering students the opportunity to participate in nontraditional activities during the academic year is a plausible and attractive option for many students.

In this talk, we will discuss the challenges of bringing collaboration with real business, industry, or government (BIG) into academia.

We will talk about the experience of mentoring undergraduate students in multiple data-enabled research projects, based on original real-world problems provided directly by businesses and industry. We highlight differences and challenges compare to traditional undergraduate research.

We will overview several different undergraduate research opportunities and student training, including the PIC Math program, ERAU Research Projects in Industrial Mathematics course and recent ERAU REU site funded by NSF.

We will discuss the possible ways to response to COVID19 situation and share ideas for successfully designing and mentoring such projects.

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