Emergent Research:
The PIMS Postdoctoral Fellow Seminar

April 7, 2021
9:30 AM Pacific/ 10:30 AM Mountain / 11:30 AM Central
Zoom

PIMS is pleased to present an ongoing lecture series featuring our Postdoctoral Fellows! Every three weeks, you will have the opportunity to connect with emerging research in the mathematical sciences from a PIMS Postdoctoral Fellow. PIMS PDFs are amongst the top young researchers in Canada, and this is an excellent opportunity to learn about them, and their work.

Sajad Fathi Hafshejani PhD
PIMS Postdoctoral Fellow - University of Lethbridge
The non-monotone technique for optimization algorithms

Abstract:
There are various iterative approaches for solving unconstrained optimization problems. Between them, the non-monotone technique is a popular approach for improving the iterative algorithms in optimization. The non-monotone technique not only can improve the likelihood of finding the global optimum but also can improve the numerical performance of approaches. Here, we investigate the non-monotone strategy and present some properties of this technique. Some numerical results are also presented.

Speaker Biography:
Sajad Fathi Hafshejani received the MSc. degree in Applied Mathematics from K.N.Toosi University of Technology, Tehran, Iran, in 2012, and the Ph.D. degree in Applied Mathematics from the Shiraz University of Technology, Shiraz, Iran, in 2020. From May 2019 to December 2019, he was a Visiting Research Fellow at McGill University. He is currently a Postdoctoral Fellow at the University of Lethbridge. His research interests include optimization algorithms for convex and non-convex problems, integer programming, and machine learning.

REGISTRATION: https://www.pims.math.ca/seminars/PIMSPDF