Dear Colleagues!

V. Kupradze Institute of Mathematics of the University of Georgia is pleased to invite you to the Online Tbilisi Analysis & PDE Seminar. The seminar is held bi-weekly on Tuesdays at 20 : 00 local time in Tbilisi.

Talk on October 29, 2024

Speaker: Prof. **Zoe Nieraeth (she/her)**, University of the Basque country, Spain.
`https://sites.google.com/view/zoe-nieraeth/home`

"A lattice approach to singular integrals"

Abstract: In this talk we discuss the problem of characterizing the boundedness of singular integrals in Banach lattices such as weighted Morrey and variable Lebesgue spaces. Moreover, we apply this lattice viewpoint to the setting of matrix weights to obtain new characterizations and Rubio de Francia extrapolation results for matrix Muckenhoupt weights.

Date: October 29, 2024
Time: 20 : 00 local time in Tbilisi;
(**Compare to your local time**: https://www.timeanddate.com/worldclock/georgia/tbilisi);

How to join:

The seminar is organized on the **Cisco Webex Meetings**. If you are already registered, you do not need to register again. Otherwise, to join the seminar please send an e-mail to **seminarim@ug.edu.ge** or register here:

https://forms.gle/xfQJ9fg1uqe7CrZw6

You will then receive further information.

WEB of Seminar: https://www.ug.edu.ge/en/tbilisi-analysis-and-pde-seminars

Organizers:

1. R. Duduchava, Institute of Mathematics, University of Georgia, Tbilisi
2. E. Shargorodsky, Department of Mathematics, King's College London
3. G. Tephnadze, Institute of Mathematics, University of Georgia, Tbilisi

Secretary:

M. Tsaava, Institute of Mathematics, University of Georgia, Tbilisi

Technical support:

G. Tutberidze, Institute of Mathematics, University of Georgia, Tbilisi
Z. Vashakidze, Institute of Mathematics, University of Georgia, Tbilisi