Dear Colleagues!

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 Mondays at 17 : 00 GMT (at 18 : 00 CET, at 20 : 00 local time in Tbilisi).

Talk on March 28, 2022

Speaker: Doctoral student **Duvan Cardona Sanchez**, Ghent University; https://sites.google.com/site/duvancardonas/

The title of the lecture: "Oscillating Fourier multipliers theory: geometric aspects and the role of the symmetries"

Abstract: Oscillating Fourier multipliers on the torus and on Rn play a fundamental role in analysis and PDE and in the setting of Lie groups are still a subject of intensive research. The classical results by Fefferman and Stein in this direction (published between 1970 and 1972 in Acta Math.) have consolidated a fundamental theory for the harmonic analysis of these operators, even, in a more general setting that contains Calderón-Zygmund singular integrals of convolution type. In this talk, we present some recent results that extend the Fefferman and Stein theory of oscillating Fourier multipliers to arbitrary Lie groups of polynomial growth.

Date: March 28, 2022
Time: 17 : 00 GMT (18 : 00 CET and 20 : 00 local time in 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:

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