



Dear Colleagues!

The V. Kupradze Institute of Mathematics at the University of Georgia is pleased to invite you to the Online Tbilisi Analysis & PDE Seminar. The seminar is held bi-weekly on Wednesdays at 20:00 (GMT+4) local time in Tbilisi.

Talk on March 11, 2026

Speaker: Dr. **Erkinjon Karimov**, University of Ghent, Belgium;

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<https://analysis-pde.org/erkinjon-karimov/>

The title of the lecture: “**Construction of Green’s function of initial-boundary problems for a multi-parameter integral-differential equation**”

Abstract: We investigate initial-boundary problems for a second-order partial differential equation involving the multi-parameter integral-differential operator in time-variable. Using structural properties of the Prabhakar kernel and generalized Mittag–Leffler functions, we reduce problems to the Volterra integral equation. This reduction enables the explicit construction of the corresponding Green’s function. Based on the obtained Green’s function, we derive a closed-form integral representation of the solution and prove its existence and uniqueness. The results extend classical Green-function techniques to a wider class of integral-differential operators, including fractional-order.

Date: March 11, 2026

Time: 20:00 (GMT+4) 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 **Google Meet** platform. If you are already registered, you do not need to register again. Otherwise, to join the seminar, please send an email to kim@ug.edu.ge or register here:

<https://forms.gle/xfQJ9fg1uqe7CrZw6>.

You will then receive further information.

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

Organizers:

1. R. Duduchava, Institute of Mathematics, University of Georgia, Tbilisi, Georgia
2. E. Shargorodsky, Department of Mathematics, King’s College London, UK
3. A. Meskhi, Kutaisi International University, Kutaisi, Georgia

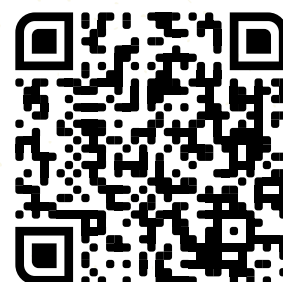
Secretary:

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

Technical support:

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

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



Google Meet Join Information

- **Video Call Link:** <https://meet.google.com/fes-ughx-mob>
- **Invitation (Calendar) Link:** <https://calendar.app.google/7GxkYetKVZVAEpsc8>