



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 20 : 00 local time in Tbilisi.

Talk on June 6, 2022

Speaker: Prof. Björn Birnir, CNLS and the University of California at Santa Barbara;
<https://birnir.math.ucsb.edu/>

The title of the lecture: “**The statistical theory of Stochastic Nonlinear Partial Differential Equations with application to the angiogenesis equations**”

Abstract: We develop the statistical theory for stochastic nonlinear PDEs with both additive and multiplicative noise. The canonical example is the stochastic Navier-Stokes equation. We solve the Kolmogorov-Hopf equation for the invariant measure determining the statistical quantities. Then the theory is applied to the stochastic angiogenesis equations describing how veins grow through the human body.

Date: June 6, 2022

Time: 20 : 00 local time in Tbilisi;

(Compare to your local time: [https://www.timeanddate.com/worldclock/georgia/tbilisi\);](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:

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

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