



연세대학교 수학교산학부

PDE in Seoul 2023: Conference in honor of Professor Mikhail Safonov's 70th birthday

Introductory Lectures for Graduate Students

# On the Dirichlet Problem for the Laplacian

Prof. Irina Mitrea  
(Temple University, USA)

## Abstract:

In this lecture we will discuss a number of classical results in Harmonic Analysis and Partial Differential Equations that play a role in establishing well-posedness for the Dirichlet Problem for the Laplacian with  $L_p$  datum in a couple of simple geometric contexts. The goal of the lecture is to introduce graduate students to a first blueprint/benchmark of what can be achieved in the theory of elliptic boundary value problems for second order elliptic systems. The presentation is self-contained and assumes only a minimal background in analysis.

2023.06.16. (금) 15:00  
Sci Building #225

주최 : 4단계 BK21 수리과학 및 계산 교육연구단 (연세대학교 수학교산학부)  
문의 : 김세익 kimseick@yonsei.ac.kr

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