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**Barcelona Analysis Seminar**

**2021–2022**

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**URL .** <https://mat.uab.cat/web/seminarianalisi/>

**Date.** April 21, 2022

**Time.** 15:30 CET

**Room.** IMUB, Universitat de Barcelona

**Online streaming (Zoom).** <https://ub-edu.zoom.us/j/95538016558>

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## Boundary value problems and Hardy spaces for elliptic systems with block structure

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We present the main existence and uniqueness results concerning the Dirichlet and Regularity problems for a class of elliptic equations. The issue was to find a relevant parametrization with critical exponents to describe a seemingly optimal range of spaces for boundary data. We shall explain how they appear and explain how we use them.