

Manuel Cañizares

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Place of birth: Chiclana de la Frontera, Spain * *Date of birth:* 03/02/1996

Positions

BCAM (Basque Center for Applied Mathematics)

September 2020 - now

PhD Student

Bilbao, Spain

- Working under the supervision of Pedro Caro and Ioannis Parissis in the project *Interplays between Harmonic Analysis and Inverse Problems*, with a grant from the Spanish Research Agency (AEI), with reference *PRE2019-091776*

Education

PhD in Mathematics

Currently pursuing, since 2020

Doctoral program in mathematics and statistics

UPV/EHU

Expected defense date: September 2024

Master's degree in Mathematical Physics

2020

Master's program FISyMAT

Universidad de Granada

Final grade: 8.72/10 - 2.6/4

Master's thesis: Synchronization and Aggregation models. The swarmallators model.

Supervisor: Juan Soler

Bachelor's degree in Physics

2018

Double bachelor's program in physics and mathematics

Universidad de Sevilla

Final grade: 7.32/10 - 1.83/4

Bachelor's thesis: Width of Interfaces in the 2-Dimensional Ising Model.

Supervisor: Gernot Münster (written during my Erasmus stay at WWU Münster, Germany)

Bachelor degree in Mathematics

2018

Double bachelor's program in physics and mathematics

Universidad de Sevilla

Final grade: 7.86/10 - 2.05/4

Publications

Local near-field scattering data enables unique reconstruction of rough electric potentials

2023

Submitted

arXiv

M.C.

Interface Roughening in Two Dimensions

2020

Journal of Statistical Physics

DOI

G. Münster & M.C.

Talks

Identifying electric potentials via the local near-field scattering pattern at fixed energy

2024

IV Mathematical Analysis Days

Universidad de La Rioja. Logroño, Spain

Invited talk

Identifying electric potentials via the local near-field scattering pattern at fixed energy

2024

Seminari d'Anàlisi de Barcelona
Seminar talk

UPC, UB and UAB. Barcelona, Spain

Determination of delta-shell and critically-singular potentials with local near-field scattering data

2023

HAPDEGMT
Short talk

UPV/EHU. Bilbao, Spain

Determination of delta-shell and critically-singular potentials with local near-field scattering data

2022

Inverse Days
Short talk

FIPS and University of Eastern Finland. Kuopio, Finland

Grants and Scholarships

Aid for pre-doc contracts for the training of doctors 2019

2020-2024

AEI (Agencia Estatal de Investigación)
Reference: PRE2019-091776

Spain

Erasmus+ Scholarship

2017-2018

Stay at WWU Münster, Germany

Scholarship for Undergraduate studies

2013-2020

Spanish Ministry of Education

Spain

Technical skills

Programming Languages/Tools

C, C++, Java, Python, L^AT_EX, Matlab, Haskell

Language proficiencies

Spanish Native

English Fluent. CAE degree by Cambridge (C1) obtained in 2012

Italian Medium level

French Basic level

References

Pedro Caro. PhD supervisor

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Ioannis Parissis. PhD supervisor

ioannis.parissis@gmail.com

Juan Soler. Master's thesis supervisor

jsoler@ugr.es

Gernot Münster. Bachelor's thesis supervisor

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