Manuel Cañizares

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

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Positions

BCAM (Basque Center for Appplied 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   *2024*
Inverse Problems   *DOI,arXiv*
M.C.

Interface Roughening in Two Dimensions   *2021*
Journal of Statistical Physics   *DOI,arXiv*
G. Münster & M.C.

Talks

Indentifying 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

Indentifying electric potentials via the local near-field scattering pattern
at fixed energy *2024*
Seminari d'Analisi de Barcelona *UPC, UB and UAB. Barcelona, Spain*
Seminar talk

Determination of delta-shell and critically-singular potentials with local
near-field scattering data *2023*
HAPDEGMT *UPV/EHU. Bilbao, Spain*
Short talk

Determination of delta-shell and critically-singular potentials with local
near-field scattering data *2022*
Inverse Days *FIPS and University of Eastern Finland. Kuopio, Finland*
Short talk

Grants and Scholarships

Aid for pre-doc contracts for the training of doctors 2019 *2020-2024*
AEI (Agencia Estatal de Investigación) *Spain*
Reference: PRE2019-091776

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, LaTeX, 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	pcaro@bcamath.org
Ioannis Parissis. PhD supervisor	ioannis.parissis@gmail.com
Juan Soler. Master's thesis supervisor	jsoler@ugr.es
Gernot Münster. Bacherlor's thesis supervisor	munsteg@uni-muenster.de