

ANASTASIA RAILEAN

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- Iași, Romania •

PROFESSIONAL EXPERIENCE

RESEARCH ASSISTANT

National Institute of Research & Development for Technical Physics (NIRDTP)
Magnetic Materials and Devices Department

Iași, Romania
March 2024-Present

RESEARCH ASSISTANT

Alexandru Ioan Cuza University of Iași (UAIC)
Center for Applied Research in Physics and Advanced Technologies (CARPATH)

Iași, Romania
February 2021-December 2023

EDUCATION

ALEXANDRU IOAN CUZA UNIVERSITY OF IAȘI

PhD in Physics

Field of study: Exact Sciences - Physics

Iași, Romania
October 2021-Present

ALEXANDRU IOAN CUZA UNIVERSITY OF IAȘI

Master's Degree in Physics

Specialty: Physics for Advanced Technologies

Iași, Romania
October 2019-July 2021

ALEXANDRU IOAN CUZA UNIVERSITY OF IAȘI

Bachelor of Applied Engineering Sciences

Specialty: Technological Physics

Iași, Romania
October 2015-July 2019

TRAINEESHIPS

ERASMUS+ TRAINEESHIP

Interuniversity Microelectronics Centre (imec)
Compute and Memory Devices Department

Leuven, Belgium
June 2022-August 2022

ERASMUS+ TRAINEESHIP

Slovak University of Technology in Bratislava (STU)
Department of Inorganic Chemistry, Technology and Materials

Bratislava, Slovakia
July 2019-September 2019

ERASMUS+ TRAINEESHIP

University of Namur (UNamur)
Department of Physics: Interdisciplinary Laboratory of Electron Spectroscopy (LISE)

Namur, Belgium
June 2018-September 2018

ERASMUS+ TRAINEESHIP

Heinrich Heine University of Düsseldorf (HHU)
Department of Physics: Condensed Matter Physics Laboratory

Düsseldorf, Germany
June 2017-September 2017

LANGUAGE SKILLS

- Romanian - Mother Tongue
- English – C1
- Russian - C2
- French - A1

AWARDS

- UAIC Award for outstanding results during the master's studies, October 2021
- UAIC Award for outstanding results during undergraduate studies, October 2019
- First Prize at Dragomir Hurmuzescu National Physics Contest, 8th edition, 19 April 2019

PUBLICATIONS

- C. Enachescu, **A. Railean**, D. Coltuneac, R. Mandel, L. Stoleriu, and M. Lorenc, '*Modelling the Tuning of the Cooperativity in Spin Crossover Sandwiched Layers*', **European Journal of Inorganic Chemistry**, 2024, e202400367, <https://doi.org/10.1002/ejic.202400367> (IF 2.2; AIS 0.403)
- M. Kelai, A. Tauzin, **A. Railean**, V. Repain, J. Lagoute, Y. Girard, S. Rousset, E. Otero, T. Mallah, M.-L. Boillot, C. Enachescu, and A. Bellec, '*Interface versus Bulk Light-Induced Switching in Spin-Crossover Molecular Ultra-Thin Films Adsorbed on a Metallic Surface*', **The Journal of Physical Chemistry Letters**, 2023, 14(7), pp. 1949-1954, <https://doi.org/10.1021/acs.jpcllett.2c03733> (IF 4.8; AIS 1.325)
- **A. Railean**, M. Kelai, A. Bellec, V. Repain, M.-L. Boillot, T. Mallah, L. Stoleriu, and C. Enachescu, '*Mechanoelastic Simulations of Monolayer Lattices of Spin Crossover Molecules on a Substrate*', **Physical Review B**, 2023, 107(1), 014304, <https://doi.org/10.1103/PhysRevB.107.014304> (IF 3.2; AIS 0.896)
- D. Plesca, **A. Railean**, R. Tanasa, A. Stancu, J. Laisney, M.-L. Boillot, C. Enachescu, '*Unexpected Light Induced Thermal Hysteresis in Matrix Embedded Low Cooperative Spin Crossover Microparticles*', **Magnetochemistry**, 2021, 7(5), 59, <https://doi.org/10.3390/magnetochemistry7050059> (IF 3.336; AIS 0.465)

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