

Kevin Speyer

Nationality: Argentinian and German

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Date of Birth: 11th May 1987

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Current Position

4/2014 – to date: PhD candidate in Physics.

Thesis: “Simulations of liquid flow confined by semiflexible polymer brushes”

University of Buenos Aires, Argentina

Workplace: National Atomic Energy Commission (CNEA)

Scholarship: 2014 - 2019 by the National Scientific and Technical Research Council (CONICET)

Supervisor: Dr. Claudio Pastorino

Education

2014 - to date	PhD Candidate in physics by the University of Buenos Aires with a scholarship of the National Scientific and Technical Research Council (CONICET)
2006 - 2014	Lic. in physics by the University of Buenos Aires (MS equivalent). (Avg: 9.26 / 10)
1999 - 2004	High school Pestalozzi.
2004	Sprachdiplom Stufe II, German Language Certificate of the Education Ministers Conference
12/2003 - 3/2004	Student Exchange in Germany, attending classes and staying with a German host family.
2002	Sprachdiplom I, German Language Certificate of the Education Ministers Conference
2001	Preliminary English Test, Cambridge University.

Scholarships & Internship

10/2016 & 3/2016	International Centre for Theoretical Physics to participate in Workshops
3/2014 – 3/2019	National Scientific and Technical Research Council (CONICET), full scholarship for PhD studies
12/2004	Bayer, paid internship

Conferences

9/2017	102 th National Reunion of the Argentine Physics Association
11/2016	Frontiers in Physical Science, Max Planck, Argentina
10/2016	Introductory School on Parallel Programming and Parallel Architecture for High-Performance Computing, ICTP, Italy
3/2016	4th Workshop on Advanced Techniques for Scientific Programming and Management of Open source Software Packages, ICTP, Italy
9/2015	100 th National Reunion of the Argentine Physics Association
6/2015	4th International Workshop "Theory and Computer Simulation of Polymers: New Developments", Germany
3/2015	Workshop: Dynamics in Soft and Hard Condensed Matter, Argentina
11/2014	First Argentinian Microfluidics Workshop
9/2014	5 th Argentinian Soft Matter Encounter
9/2014	99 th National Reunion of the Argentine Physics Association

Languages

Spanish:	Native
English:	Fluent
German:	Fluent
Portuguese:	Basic

Programming Languages

Advanced in: Linux environment, Python, C++, Fortran, LabView, awk, Matlab and git

Teaching and Work Experience

8/2015 – 12/2015	Teaching Assistant at the Sábato institute of the San Martín National University for Introduction to Computer Simulation
3/2013 – 12/2014	Teaching Assistant at the physics department from the University of Buenos Aires for Physics I for Biologists and Physics II for Biologists
3/2012 - 12/2013	Teaching Assistant at the Common Basic Cycle (Foundation Year equiv.) at the University of Buenos Aires for Physics and Introduction to Biophysics
2/12/04 - 31/12/04	Internship at Bayer S.A. in the Trade Marketing area de la Unidad de Negocios Bayer Health Care (BHC), performing administrative tasks.

Publications

- Brushes of semiflexible polymers in equilibrium and under flow in a super-hydrophobic regime
K. Speyer and C. Pastorino, *Soft Matter*, 2015, **11**, 5473–5484
DOI:10.1039/C5SM01075F
- Droplet transport in a nanochannel coated by hydrophobic semiflexible polymer brushes: the effect of chain stiffness
K. Speyer and C. Pastorino, *Langmuir*, 2017, **33**, 10753–10763
DOI:10.1021/acs.langmuir.7b02640

Interests and Skills

- Polymer Physics, Soft Matter and Microfluidics
- Atomistic and coarse grain high performance computer simulations
- Statistical Analysis of Big Data
- Experience with Laboratory Equipment and single-board microcontrollers (Arduino & Raspberry Pi)