Xenia Miscouridou

Curriculum Vitae

St Peter's College, New Inn Hall Street
OX1 2DL, Oxford
United Kingdom
✉ *xenia.miscouridou@spc.ox.ac.uk*
http://csml.stats.ox.ac.uk/people/miscouridou/

Education

10/2015 - present **DPhil in Computational Statistics and Machine Learning**, *University of Oxford*.
EPSRC & MRC CDT in Next Generational Statistical Science.
Areas of Research: Bayesian Non parametrics, Machine Learning, Network Models and Learning.
Member of the Oxford Computational Statistics and Machine Learning group.
`http://csml.stats.ox.ac.uk`
Supervisors: Professors François Caron and Yee Whye Teh

10/2014 - 06/2015 **Master of Advanced Study in Mathematical Statistics (Part III)**, *University of Cambridge*.
Grade: Distinction (86%)
Churchill Scholar Prize for academic excellence in overall performance.
Dissertation: **"Theoretical and Empirical Comparison of Bayesian and Frequentist Inference and Methodology for fMRI data analysis ".**
Supervisor: Professor John Aston
Grade : Distinction

10/2011 - 06/2014 **BSc Mathematics**, *Imperial College London*, London, United Kingdom.
Grade: First Class Honours (top 3%)
Ken Allen prize for academic excellence in the first year of study.
Gloucester Research Prize for academic excellence in the third year of study.
Specialisation in Probability and Statistics at the final year of study.

09/2008 - 06/2011 **Apolytirio**, *Kykkos B Lyceum*, Nicosia, Cyprus.
Grade : 19.9/20
Best Overall Performance in final year of study as a result of the Pancyprian Examinations.
Best Performance in Mathematics and Computing at the Pancyprian Examinations.

Publications

01/2018 X. Miscouridou, F. Caron, Y.W. Teh, **Sparse, modular, dynamic graphs with reciprocating relationships**, *work in progress*

08/2017 A. Todeschini, X. Miscouridou, F. Caron, **Exchangeable random measuress for sparse networks with overlapping communities**, *arXiv:1602.02114*, 2017

12/2016 Maria Philippou, Yiolanda Damianou, Xenia Miscouridou, Georgios C. Georgiou, **Cessation of Newtonian circular and plane Couette flows with wall slip and non-zero slip yield stress published in Meccanica**, *Meccanica*, 2016

Presentations

06/2017 **Sparse and modular graphs with overlapping communities.** Oral Presentation, *11th conference on Bayesian nonparametrics,* Paris.

06/2017 **Sparse and modular graphs for network modelling.** Poster Presentation, *10th workshop on Bayesian Inference in Stochastic Processes,* Milan.

03/2017 **Sparse and modular graphs for network modelling.** Poster Presentation, *AMAZON Machine Learning Workshop,* Berlin.

Software

10/2017 Matlab Package for simulation and inference on sparse graphs with overlapping communities `https://github.com/misxenia/BNPcommunity_graph`

Computing

Languages Matlab, Python, Julia, R: *experience in creating R packages and using Rcpp*

Platforms CUDA

Teaching Experience

09/2017 - 06/2018 **Tutor**, *Statistical Inference (SB2a)*, Department of Statistics, University of Oxford.

09/2017 **Tutor**, *Mathematics for Engineers*, St Peter's College, University of Oxford.

06/2017 **Tutor**, *Applied Data Science course for professionals* , Cambridge Spark Applied Data Science Bootcamp, Cambridge Spark.

09/2016 - 01/2017 **Teaching Assistant**, *Statistical Inference (SB2a)*, Department of Statistics, University of Oxford.

09/2016 **Tutor**, *Mathematics for Engineers*, St Peter's College, University of Oxford.

03/2015 **Tutor**, *Life Sciences Doctoral Training Centre*, University of Oxford.

Research Placements

07/2013 - 07/2014 **Applied Mathematics Group**, *Department of Mathematics, University of Cyprus*.

- I entered the Applied Mathematics research group investigating Couette Flow under several slip conditions and deriving the equations of motion for the cessation of the flow.
- Project Title: "Newtonian simple shear flow with wall slip and non-zero slip yield stress", Meccanica.
- Conference Presentations:
  1. M. Philippou, Y. Damianou, X, Miscouridou, G. C. Georgiou, Newtonian Couette flows with wall slip and non-zero slip yield stress, HSR2014 and Attractive Colloids and Gels, Heraklion, 7-10 July, 2014.
  2. G.C. Georgiou, M. Philippou, Y. Damianou, X. Miscouridou, Newtonian Couette flows with wall slip and non-zero slip yield stress, AERC2014: 9th Annual European Rheology Conference, Karlsruhe, Germany, April 8 – 11, 2014.

Prizes & Scholarships

08/2017 Leventis Foundation scholarship to support academic studies and research.

08/2016 Leventis Foundation scholarship to support academic studies and research.

10/2015 EPSRC & MRC Studentship for the Centre of Doctoral Training in Statistical Science at the Department of Statistics of the University of Oxford.

06/2015 Churchill College Prize Scholarship for academic excellence in Part III of the Mathematical Tripos at the **University of Cambridge.**

06/2014 Gloucester Research Company Prize for academic excellence (90%) in the final year of study at **Imperial College London.**

06/2012 Ken Allen Prize for academic excellence in the first year of study at **Imperial College London**. Awarded to five students of the Mathematics department (years one to four) with best overall performance.

06/2011 **Physics and Computing Excellence awards** for University Entry Examinations.

06/2010 **Olympiads**: Mathematics (silver medal), Physics (3rd Pancyprian place), Chemistry (3th Pancyprian place)

03/2009 **Chemistry Olympiad** (5th Pancyprian place).

Additional Skills / Activities

Languages:	Greek native, English-IGCSE (A) and FCE (A*), French- A level (A)
Music:	ABRSM Grade 8 (Distinction), ABRSM Grade 5 (Merit), Lyceum Band (alto saxophone)
Leadership:	Student Representative of the research cohort of the CDT.
	Secretary of Oxford University Cypriot Society.

Interests

Sport	Long distance runner.
Music	Vocalist and pianist in music groups in Cyprus.

References

Prof. François Caron	Department of Statistics, University of Oxford 24-29 St Giles, Oxford OX1 3LB, **caron@stats.ox.ac.uk**
Prof. Yee Whye Teh	Department of Statistics, University of Oxford 24-29 St Giles, Oxford OX1 3LB, **y.w.teh@stats.ox.ac.uk**
Prof. Georgios Georgou	Department of Mathematics and Statistics, University of Cyprus, PO Box 20537, 1678, Nicosia, **georgios@ucy.ac.cy**