

# Thomas Rafferty

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CONTACT INFORMATION	D2.16 Zeeman Building Centre for Complexity Science University of Warwick Coventry, UK	<i>Phone:</i> +447528241073 <i>E-mail:</i> t.rafferty@warwick.ac.uk <i>Webpage:</i> warwick.ac.uk/trafferty
RESEARCH INTERESTS	Non-equilibrium statistical mechanics, applied probability, Markov processes, condensation, mixing times, coupling techniques, dynamical systems	
EDUCATION	<b>University of Warwick</b> , Coventry, United Kingdom PhD. Mathematics and Complexity Science, October 2013, Current Supervisors: Paul Chleboun, Stefan Grosskinsky MSc. Complexity Science, September 2012, October 2013, Graduated with distinction <ul style="list-style-type: none"><li>Project 1: “Driven diffusive systems and growing stationary configurations” Supervisors: Paul Chleboun, Stefan Grosskinsky</li><li>Project 2: “Political evolution” Supervisors: Alexandros Karlis, Matthew Turner, Charo I. del Genio.</li></ul> BSc. Mathematics, July 2011, Graduated with 1st Class with honours.	
TEACHING EXPERIENCE	<b>University of Warwick</b> Coventry, United Kingdom <i>Teaching Assistant</i> Topics in Interacting Particle Systems, 4th year Mathematics module <i>Teaching Assistant</i> Markov Processes and Percolation Theory, 3rd year Mathematics module <i>Supervisor</i> 12 First year Maths/Physics students	Spring 2015  Spring 2014  2013-2015
PROGRAMMING LANGUAGES	C, Matlab, Mathematica, XPPAUT, R	
PRESENTATIONS	Poster presentation - Interacting Particle Systems and Non-Equilibrium Dynamics - Institut Henri Poincaré - Paris Poster presentation - Young Researchers in Mathematics - Warwick Presentation - European Study Group with Industry - Oxford Poster presentation - Complexity annual retreat	09 March 2015 30 June 2014 11 April 2014 May 2013
ATTENDED CONFERENCES AND WORKSHOPS	Limit Theorems in Probability - Imperial College London Interacting Particle Systems and Non-Equilibrium Dynamics - Paris Young Researchers in Mathematics 2014 - Warwick School and Workshop on Random Interacting Systems - Bath Computational Social Science - Warwick Glassy Systems and Constrained Stochastic Dynamics - Warwick Probability, Analysis and Dynamics - Bristol	23 - 26 March 2015 9 - 13 March 2015 30 June - 3 July 2014 23-27 June 2014 11-13 June 2014 9-11 June 2014 23-25 April 2014

European Study Group with Industry - Oxford 7-11 April 2014  
Warwick EPSRC Symposium on Statistical Mechanics:  
Models from Statistical Mechanics in Applied Sciences - Warwick 9-13 September 2013  
Student Conference on Complexity Science - Oxford Brookes University 14-17 August 2013

WORK  
EXPERIENCE

**Birkenhead Sixth Form College**, Park Rd W Prenton CH43 8SQ  
*Mathematics Tutor* 2011-2012  
Voluntary position. Taught A-Level Mathematics and Further-Mathematics.  
inc, Mechanics, Statistics and Pure Mathematics  
*Data Entry* Summer 2009-2012

OTHER  
ACTIVITIES

Part of the organising team for the complexity annual retreat in 2014.  
In June 2014 I completed the so called 3 peak challenge in 23 hours.  
I was the publicity officer for the Warwick tenpin bowling club for the 2010-2011 academic year.  
I hitch-hiked from Warwick to Morocco raising money for the charity Link Community Development in April 2010.