

Dr. Adrian K. Clear PhD, BSc

CONTACT INFORMATION	School of Computing and Communications InfoLab21, Lancaster University, Lancaster, UK	<i>T:</i> +44 (0) 15245 10374. <i>E:</i> a.clear@lancaster.ac.uk <i>W:</i> www.adrianclear.com
RESEARCH INTERESTS	Adrian is currently a Senior Research Associate in the School of Computing and Communications at Lancaster University. He is working on the EPSRC-funded TEDDI <i>Informing energy choices using ubiquitous computing</i> project and the ESRC-funded <i>Sustainable carbon counters</i> project.	
	His research interests are as follows:	
	<ul style="list-style-type: none">• Ubicomp and sustainable living• Qualitative and quantitative study methods• Context-awareness and data abstraction.• Modelling and reasoning about context.• Engineering context-aware adaptive systems and applications.• Visualisation of voluminous, highly-dimensional data.	
EDUCATION	PhD, Computer Science Thesis titled <i>Engineering pervasive systems using interactive visualisation</i> under the supervision of Prof. Simon Dobson UCD Dublin, Ireland, 2009 BSc (Hons), Computer Science <i>1st class honours</i> , UCD Dublin, Ireland, 2005	
AWARDS	<i>Postgraduate scholarship</i> Embark Initiative from the Irish Research Council for Science, Engineering & Technology, 2005 <i>John Kelly Memorial Medal</i> 1st place in BSc (Hons) Computer Science degree, UCD Dublin, Ireland, 2005	
ACADEMIC EXPERIENCE	UCD Dublin, Ireland <i>PhD candidate</i> September 2005 to October 2009 <i>Teaching Assistant and tutor</i> September 2005 to April 2009 <ul style="list-style-type: none">• Provided support to second-year computer science students.• Carried out various module administration and organisation tasks.• Tutored practical aspects of programming, data structures and foundations modules.• Graded weekly exercises and assignments. <i>Undergraduate Student</i> September 2001 to June 2005 <ul style="list-style-type: none">• Final year project involved the creation of a web-based tool for comparison of multiple terminal restriction fragment length polymorphism (TRFLP) profiles to identify shared and unique components of microbial communities.• Final year project resulted in a journal publication.	

PROFESSIONAL
EXPERIENCE

Postdoctoral researcher

Orange Labs, Meylan FR

- Research concerned with sensor data fusion for M2M systems.

Grant portfolio

Project	Area	Role	Value
Sustainable carbon calculators	Sustainable software	Researcher	50k

Recent Program Committee memberships

SCS '12: The Self-Organizing Complex Systems track of the 27th Symposium On Applied Computing (SAC 2012)

MRC '10: 6th International Workshop on Modeling and Reasoning in Context.

SEACUBE '10: 2nd Int. Workshop on Sensing and Acting in Ubiquitous Environments.

Workshop organisation

USE '07. The 2nd International Workshop on Ubiquitous Systems Evaluation.

- Publicity chair and session chair.

Selected Reviewing

CHI '12 The ACM SIGCHI Conference on Human Factors in Computing Systems.

Ubicomp '11 The 13th ACM International Conference on Ubiquitous Computing.

IoT '10. Internet of Things 2010 conference.

Campus Company Development Program (CCDP)

Adrian participated in UCD Dublin's part-time program to assist academic entrepreneurs in creating a business plan for commercial aspects of their research. The company under development was concerned with pervasive advertising.

SELECTED
PUBLICATIONS

Adrian K. Clear, Thomas Holland, Simon Dobson, Aaron Quigley, Ross Shannon and Paddy Nixon. Situvis: a sensor data analysis and abstraction tool for pervasive computing systems. *Pervasive and Mobile Computing*. 2010.

Juan Ye, Adrian K. Clear, Lorcan Coyle and Simon Dobson. On using temporal semantics to create more accurate human-activity classifiers. In *Proceedings of the 20th Irish Conference on Artificial Intelligence and Cognitive Science (AICS 2009)*.

Adrian K. Clear, Ross Shannon, Thomas Holland, Aaron Quigley, Simon Dobson and Paddy Nixon. Situvis: a visual tool for modeling a user's behaviour patterns in a pervasive environment. In *Proceedings of the 7th International Conference on Pervasive Computing (Pervasive 2009)*.

Stephen Knox, Ross Shannon, Lorcan Coyle, Adrian K. Clear, Simon Dobson, Aaron J. Quigley, and Paddy Nixon. Scatterbox: Context-Aware Message Management. *Revue d'Intelligence Artificielle* 22 (5).

Cindy J. Smith, Bret S. Danilowicz, Adrian K. Clear, Fintan J. Costello, Bryan Wilson, Wim G. Meijer. T-Align, a web-based tool for comparison of multiple terminal restriction fragment length polymorphism profiles. *FEMS Microbiology Ecology*, 54, 2005.