

CONGRATULATIONS



COLLEGE TEACHING AWARD

The College Teaching and Learning Committee is to present Phillipa Williams with a College Teaching Award for being an outstanding Early Career teacher. Congratulations. Phillipa!



UC TEACHING AWARDS

Jan Evans-Freeman presented Irene David with a UC Teaching Award at a function on 14 July at NZi3. These annual awards recognise teaching excellence at the university and Irene was one of 6 UC recipients for 2011. Congratulations Irene!

In Clemency Montelle's first book entitled *Chasing Shadows: Mathematics, Astronomy and the Early History of Eclipse Reckoning*, she explores the ways in which 4 major cultures of the ancient world – the ancient Near East, ancient Greece, India and the Islamic Near East – used mathematics to model and predict eclipses. She also looks at the scientific discoveries these societies made and how ideas spread amongst cultures. The book has been published as part of the John Hopkins University Press's *Studies in the History of Mathematics* series.



CONGRATULATIONS to Ben Martin who has been appointed to the position of Associate Professor in the Department of Mathematics at the University of Auckland, commencing 2012. Good news for Ben but sad news for us!

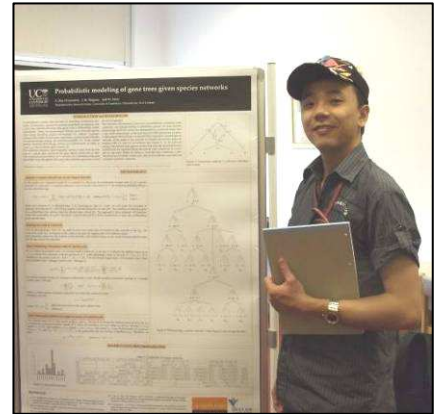
CONGRATULATIONS also to PhD student Rachael Tappenden who has been awarded a College of Engineering Publication Scholarship. It was supposed to be for the round ending January 31 but, because of the earthquake, it was awarded in April and taken up in May. The award is given to write a paper based on the results of her PhD thesis.

CONFERENCES AND VISITS

- Mike Plank: International Conference on Mathematical Biology, Casablanca, 20 -24 June
- Charles Semple: research visit to the Mathematics Group at Victoria University, Wellington, 18- 22 July.



Joe Zhu, Mike Steel and Thomas Li



Joe with poster

INI PHYLOGENETICS CONFERENCE

Students Thomas Li and Joe Zhu gave poster presentations at a week-long conference on phylogenetics at the Isaac Newton Institute for Mathematical Sciences, Cambridge UK, in June. The meeting attracted 70 participants and was organized by Mike Steel. Former UC Maths students Mareike Fischer, Simone Linz and Josh Collins, and Postdoc Wim Hordijk, also attended. The meeting was a follow-up to the 4-month phylogenetics programme held in 2007 at the Institute. The talks are available on line and a special issue of the journal *Algorithms in Molecular Biology* is planned for papers associated with this conference.



A BRIDGE TOO FAR?

The Bridges met up in San Francisco for the wedding in June of Douglas Bridges' elder son Iain, and stopped along the way for a photo in front of San Francisco's Golden Gate Bridge.



RICK'S EUROPEAN RESEARCH

Above left: Rick Beatson working hard at the medieval hilltop fortress of Carcassonne in France. Unfortunately, as the central photo demonstrates, one thing tends to lead to another, and no-one warned Rick that French public toilets can shut down for 2 hours during siesta! (Right): Rick with Wolfgang zu Castell and family at Neuschwanstein Castle in Germany. Wolfgang is a well-known visitor to our department.

BOUQUETS FROM STUDENTS

*"Dear Irene,
I was quite happy to see my grade for STAT 101, and I must say I wouldn't have made it without your guidance and help. I had not done a lot of statistics before I came to University, but this course has taught me well and you have been an inspirational teacher. The fact that you have been open to new ways of teaching (like during the aftermath of the 22/02 earthquake) and incorporating practical information and examples into lectures has made the course interesting and fun to learn on a whole new level. Hillary's participation in the course ensured a wider range of support and guidance and the contribution from all the tutors at the Stats department has been tremendous. "I know it's a bit late for this but I am writing this e-mail to thank you, Hillary and all of the tutors for being such excellent teachers and to say that I much enjoyed being taught by you. I appreciate all your hard work, it's meant so much to me. Once again, thank you so much for your time, expertise and patience. I wish you best of luck for the rest of the year, and hope to see you in future courses.
Kind regards, Akmal (STAT 101 -- 11S01)"*

*"Hi there Jennifer.
Just wanted to provide some feedback, re Math101, which I sat last semester. Have spoken to my lecturers and tutors, but making sure it gets all the way into the Department. This is one of (if not) the best papers I have sat at Canterbury. The best lecturers, super organised, well delivered and great tutors. Two thumbs up, all round. As a second year finance student, who has no math beyond high school year 11, I was super anxious about this paper, but I need not have worried. It was so well structured with lots of assistance when needed and always a pro-active positive attitude from all the teaching staff. Well done to Philippa, Jane, Hillary and their team of tutors.# Their time and help has been much appreciated.
Rebecca Bailey."*

(# The MATH101 tutors were Padma Senarath, Veronica Cahyadi, Nick Duncan and Emily Brown.)

PAPERS SUBMITTED

Rea, W.S., Price, C.J., Oxley, L., Reale, M & Brown, J.: *A New Procedure to test for Fractional Integration* (submitted to Studies in Nonlinear Dynamics & Econometrics).

Robertson, B.L., Price, C.J. & Reale, M.: *CARTopt: a random search method for nonsmooth unconstrained optimization*

PAPERS ACCEPTED

Bui, H-Q. & Laugesen, R.: *Uniqueness for the continuous wavelet transform* (Current Development in Theory and Applications of Wavelets)

McKubre-Jordens, M.: *Deformations with smallest weight L^p average distortion and Nitsche type phenomena* (Journal of the London Mathematical Society)

Robertson, B.L., Price, C.J. & Reale, M.: *A Hooke and Jeeves---CARTopt hybrid method for nonsmooth optimization* (Advanced Modeling and Optimization, 13, 2001)

PAPERS PUBLISHED

Bui, H-Q. & Laugesen, R.: *Wavelets in Littlewood-Paley space and Mexican hat completeness* (Applied and Computational Harmonic Analysis 30, 2011, 204-213)

Bui, H-Q. & Laugesen, R.: *Frequency-scale frames and the solution of the Mexican hat problem* (Constructive Approximation 33, 2011, 163-189)

Bui, H-Q. & Paluszynski, M.: *On the phi and psi transforms of Frazier and Jawerth* (Mathematische Nachrichten 284, 2011, 186-198)

Froyland, G., Murray, R. & Stancevic, O.: *Spectral Degeneracy and Escape Dynamics for Intermittent Maps with a Hole* (Nonlinearity 24, 2011, 2435-2463, doi: 10.1088/0951-7715/24/9/003)



CHRISTCHURCH 'FULBRIGHTERS'

Clemency Montelle, Regional Co-ordinator of the Fulbright Alumni Association and UC On-Campus Fulbright Representative, attended the annual Fulbright awards ceremony at Parliament hosted by the Minister of Foreign Affairs and attended by 250 alumni and supporters of the Fulbright exchange programme. The photo includes 2 Canterbury grantees for 2011, Clemency Montelle, US Ambassador David Huebner, and Mele Wendt, Executive Director of Fulbright NZ.