Department of Mathematics

An online publication for Mathematics Students & Alumni

Keeping in touch with *YOU*

News & Upcoming Events

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2011 QS World University Rankings

Published annually since 2004, QS World University Rankings® is one of the world's major university ranking in the world. In the 2011 world university ranking by subject, our department was ranked 23rd worldwide and 1st in Asia.   The list of universities can be viewed at http://www.topuniversities.com/university-rankings/world-university-rankings/2011/subject-rankings/natural-sciences/mathematics

We've moved!

We are now located at Block S17, which some of you may remember as SOC 1 previously occupied by the School of Computing.   Extensive renovation has been carried out to provide a new home, a vibrant and conducive environment for teaching, research, discussion and interaction for our staff and students. Our department is housed at Level 3 to Level 8.   Please feel free to come by and visit us!

Visiting Committee, 21 ~ 23 March 2011

The primary purpose of a Visiting Committee is to help the Department review progress, assess its contributions and achievements, and consider long-range goals and priorities. The department welcomed its Visiting Committee in March, comprising Professor Weinan E, Princeton University, Professor Hans Föllmer, Humboldt University, Professor David Vogan, Massachusetts Institute of Technology and Professor Hugh Woodin, University of California, Berkeley

The Committee commended the Department's success in beginning a full-scale Ph.D. program over the past few years, and in continuing to hire stronger and stronger mathematicians, arriving now at the point of having some of the best people in the world in some fields. Suggestions to improve our undergraduate programmes and outreach effort were also given by the committee.

Mathematical research and casino gaming: What they have in common

The Department of Mathematics signs a Memorandum of Understanding with the Casino Regulatory Authority of Singapore to jointly promote research and development in mathematical research that pertains to casino gambling.

With the Memorandum of Understanding (MoU), the Casino Regulatory Authority of Singapore (CRA) and NUS will now have a framework for collaboration. Mathematical algorithms used in the gaming industry, and in particular gaming integrity, will be among the areas for joint research projects. The CRA will also be able to leverage the expert views of NUS' mathematics faculty in areas such as the specialist field of gaming mathematics.

Prof Andrew Wee, Dean, Faculty of Science, and CRA Chief Executive, Mr T Raja Kumar signed the MoU, at the second CRA Gaming Technology Forum, on 20 January. The signing was witnessed by industry partners, comprising gaming manufacturers, suppliers and testing laboratories.

Welcome & Goodbye!

❖ Goodbye!

Dr Wayne Lawton, Associate Professor

We thank Dr Wayne Lawton for his many years of contribution to the department and wish him all the best after his retirement.

❖ We welcome the following new staff in 2011.

Dr Gan Wee Teck, Professor

Dr Gan obtained his PhD from Harvard University in 1998, after which he held positions at Princeton University as a post-doctoral fellow and Assistant Professor, before joining the University of California at San Diego in 2003. He is one of the world's leading researchers in Langland's program and automorphic representations.

Dr Ren Weiqing, Associate Professor

Dr Ren obtained his PhD from the Courant Institute of New York University in 2002. He was a member of the Institute for Advanced Study (2002-03) and an instructor at Princeton University (2003-05) before joining the faculty of Courant Institute in 2005. He was a winner of the Alfred P. Sloan Research Fellowship in 2007, and successfully obtained funding for three grants from the National Science Foundation. His research focuses on scientific computing, modeling and simulation of rare events, and the development and analysis of algorithms for multiscale problems.

Dr Graeme Wilkin, Assistant Professor

Dr. Wilkin obtained his PhD from Brown University in 2006. Since then, he has held positions as a J.J. Sylvester Assistant Professor at Johns Hopkins University, a Burnett Meyer postdoctoral instructor at the University of Colorado and a visiting member of the Mathematical Sciences Research Institute at Berkeley. His research is in gauge theory and differential geometry, with emphasis on Higgs bundles and quiver varieties.

Department of Mathematics

Awards & Accolades

Outstanding Educator Award 2011

Prof Koh Khee Meng received the University Outstanding Educator Award 2011.

The Outstanding Educator Award (OEA) is given out annually to acknowledge faculty members who have excelled in engaging and inspiring students in their discovery of knowledge.

National Day Awards 2011

- ❖ The Long Service Medal ~ Mdm Tay Lee Lang
- ❖ The Public Administration Medal (Silver) 2011 ~ Dr Hang Kim Hoo (alumnus), Principal, NUS High School of Mathematics and Science

Student Honours

- ❖ Congratulations to Mr Cai Yongyong, our graduate student, who has been awarded the EASIAM Student Paper Prize (first prize), presented to him at The 7th East Asia SIAM Conference, Japan, 27-29 June 2011.

Congratulations to the Graduating Class of 2011

The Department congratulates the graduating class of 2011 and welcomes each and every one of you to our alumni family.

More pictures can be downloaded from http://ww1.math.nus.edu.sg/alumni/default.aspx?file=photogallery