



The College of
WILLIAM & MARY

Department News, 2004 Spring

Faculty Awards

A second W&M Mathematician wins the Virginia Outstanding Faculty Award



Each year since 1987, the Virginia Outstanding Faculty Awards (VOFA) program has selected eleven faculty members from among the thousands in the commonwealth's colleges and universities based on superior accomplishments in teaching, research, and public service. In 2001, Professor [Charles Johnson](#) was one of eleven statewide winners, and in January 21, 2004, Professor [Chi-Kwong Li](#) was selected. The Virginia Outstanding Faculty Award is the highest honor that the commonwealth can bestow on a faculty member.



Governor Mark Warner presents the award to Professor Chi-Kwong Li. Left to Right: H. Potts (Senator), C. Li, C. Kelly (SCHEV chairman), M. Warner, N. Cooley (SCHEV Acting Executive Director) [\(Click to view a larger picture\)](#)



Provost P. Geoffrey Feiss and Professor Chi-Kwong Li in the ceremony [\(Click to view a larger picture\)](#)

Since the beginning of the program in 1987, only five mathematicians statewide (including Li and Johnson) have been chosen for VOFA, and twenty five faculty members from William and Mary have won the Outstanding Faculty Awards.

[Professor Chi-Kwong Li's webpage](#) [Professor Charles Johnson's webpage](#)

[TIAA-CREF Virginia Outstanding Faculty Awards](#)

[State Council of Higher Education for Virginia \(SCHEV\)](#)



2004 OFA recipients with Lieutenant Governor Kaine and Senator Potts. Left to right: C. Li, J. Squire, J Haidt, C. Wilson, T. Kaine (Lt. Gov.), J. Graves, J. Grayson, R. Dandridge, A. Baker, D. Fenster, G. Weiss, J. O'Connor, & H. Potts (Senator). ([Click to view a larger picture](#))

Simon Teaching Award



Professor Larry Leemis won 2003 Simon Teaching Prize for Excellence in the Teaching of Mathematics. Dr. John Simon, W&M '64, and Olinda Simon, W&M '63, established this annual award, which is made to an outstanding teacher of mathematics at the College. The purpose of the Simon Prize is to reward an inspirational teacher who teaches students of all capabilities, slow learners as well as those with a facility for mathematics, to understand and enjoy mathematics at any level.

(Picture, From left: Dr. John Simon, Prof. Larry Leemis (2003 winner), Prof. Dana Johnson (2002 winner), and Olinda Simon)

[Professor Larry Leemis's webpage](#)

[Professor Dana Johnson's webpage](#)

For other Faculty and student awards, see [earlier newsletters](#) and [award page](#)

Faculty News

- Associate Professor [Sebastian Schreiber](#) has been recommended for tenure by Provost P. Geoffrey Feiss. It is expected to be approved by BOV in the next board meeting.
- Professor [Hugo Woerdeman](#) will take parental leave in Spring 2004.
- Julie Young and Douglas Price joined our department as part-time instructors for Spring 2004. Julie Young will teach Math 104, and Doug Price will teach Math 111 in Spring 2004. Marilyn Gloyer will continue to help out our calculus instruction, and she will teach Math 111 and Math 112 in Spring 2004.
- Martine Reurings, postdoc fellow from Vrije University, Amsterdam, Netherlands, will teach a session of Math 211 in Spring 2004. She will also continue her research project with Professor Leiba Rodman.
- Professors Emeritus Sidney Lawrence and David Stanford will help to teach several courses in Spring 2004. Sidney Lawrence will teach Math 212 and Math 424, and David Stanford will teach Math 211.
- Professor [Zhongzhi Bai](#) and Professor Zhitao Zhang, both from Chinese Academy of Sciences, Beijing, China, will visit our department March-June, 2004. Professor Bai's research area is numerical linear algebra, and numerical optimization. He will collaborate with Professors Chi-Kwong Li and Roy Mathias. Professor Zhang's research area is nonlinear partial differential equations, and variational methods. He will collaborate with Professor Junping Shi. Their visits are supported by Ky Fan fund of American Mathematical Society and a matching fund from College of William and Mary.

Research and Conference News



- Professors [Chi-Kwong Li](#) and [Hugo Woerdeman](#) are two of the organizers of [International Conference on Matrix Analysis and Applications](#), held in Dec. 14-16, 2003, Nova Southeastern University, Fort Lauderdale, Florida. Professors [Vladimir Bolotnikov](#), [Charles Johnson](#), [Robert Reams](#), [Leiba Rodman](#), [Ilya Spitkovsky](#) also attended the meeting, and gave presentations in the meeting.
- Professor [Hugo Woerdeman](#) is on the International Program Committee of the [Sixteenth International Symposium on Mathematical Theory of Networks and Systems \(MTNS\)](#) to be held at the Katholieke Universiteit Leuven, July 5-9, 2004. He will also give a semiplenary talk "Outer factorizations in one and several variables", and organizes a mini-symposia "Interpolation and factorization in several variables".
- Professor [Junping Shi](#) will organize a special session "[Recent Developments on Nonlinear Elliptic Equations and Variational Problems](#)", on the [AIMS' fifth international conference on Dynamical Systems and Differential Equations](#), California State Polytechnic University, Pomona, California, June 16-19, 2004.
- Professor [Roy Mathias](#) has been made an editor of [SIAM Journal of Matrix Analysis and Application](#). Professors [Hugo Woerdeman](#) is also on the editor board of this journal. The last [SIAM Conference on Applied Linear Algebra](#) was held on William and Mary campus, July 15-19, 2003, which is co-chaired by Professors [Roy Mathias](#) and [Hugo Woerdeman](#). (see [Newsletter, Fall 2003](#))
- Professor [Roy Mathias](#) is elected to the [International Linear Algebra Society\(ILAS\)](#)'s board of directors for the term of 2004-2007. Professors [Hugo Woerdeman](#) is also in the ILAS's board of directors for the term of 2003-2006. Also serving as ILAS officers are Professor [Leiba Rodman](#) (Chair of Advisory Committee), and Professor [Chi-Kwong Li](#) (Chair of Journal Committee).
- Professor [Rex Kincaid](#) spent the 2003 summer as a NFFP ([NASA](#) Faculty Fellowship Program) participant, and he studied scale-free networks in the program. An interesting website about self-organizing networks is hosted by Notre Dame University: <http://www.nd.edu/~networks/>

MTNS 2004
KATHOLIEKE UNIVERSITEIT
LEUVEN



New Computing Facility

Thanks to the effect of Professor [Larry Leemis](#), new Dell computers



with flat panel monitors have been installed in the computer lab in Jones 113. The lab is intended for the use of graduate students in Computational Operations Research and undergraduate students concentrating on mathematics. The computing power of the new machines increases tremendously over the preceding ones. The connection from lab to campus network has also been upgraded from 10 MegaBit to 100 MegaBit speed. (see picture on the left)

A new department Unix network computer and file server has been acquired and installed in summer 2003, thanks to a NSF SCREMS program grant, which was awarded to Professors [Michael Lewis](#), [Roy Mathias](#), [Larry Leemis](#), and [Michael W. Trosset](#). (see [Newsletter Fall 2003](#)) This equipment, together with desktop machines providing platforms for smaller computations, will provide a numerical/file server cluster for the faculty investigators and students working on a number of research projects. This equipment will be used for computationally intensive research projects spanning a wide range of applied mathematics. A new multimedia Windows computer system with a color laser printer/scanner/copier is also set up in the computer lab Jones 113A. A new copier has also been installed in Jones 113A. (see picture on the right)



Created by Junping Shi, Feb. 4, 2004

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