

# Interface

## Dr. Peter Lindstrom is Elon's Young Alumnus of the Year

### Inside this issue:

Dr. Peter Lindstrom	1
Dr. Larry Hodges	2
New Faces	1
From the Chair	1
Alumni News	2
Contact Us	2
Programming Contest	3
Conferences	3
Graduate School News	3
Academic Awards	4

**Dr. Peter G. Lindstrom** of Dublin, Calif., received the Young Alumnus of the Year Award. Lindstrom, a 1994 graduate, is pursuing groundbreaking research in computer science with the Center for Applied Scientific Computing at Lawrence Livermore National Laboratory. Previously, as a research assistant at Georgia Tech, he was the main ar-



Dr. Peter Lindstrom, and his wife, Kerrie Hudzinski Lindstrom '93, after accepting his Young Alumnus of the Year Award on November 9, 2002.

### From the Chair Dr. David Powell

Welcome to the Computing Sciences Department Newsletter. We hope that you will use this as your source for Computing Sciences Alumni News.

Contact us with any news that you feel is worthy of print. We also need your e-mail addresses so we can send the newsletter in electronic format.

We are looking forward to hearing from you.



Dr. Lindstrom discusses his research at the Lawrence Livermore National Laboratory with Computing Sciences students and faculty.

chitect of a visual simulation system that has been used in some of the largest military field exercises in recent history.

Dr. Lindstrom earned a Bachelor of Science degree, summa cum laude from Elon, triple majoring in Computer Science, Mathematics, and Physics. He earned his Ph.D. in Computer Science from Georgia Tech in 2000. Dr. Lindstrom discussed his research with students and faculty on November 8, 2002.

### New Faces

**Dr. Megan Conklin** is currently completing her doctoral dissertation in the area of Knowledge Discovery in Databases at Nova Southeastern University, and has a B. A. in Art History/Public Policy from the College of William and Mary, and a M. S. in Computer Science from Nova Southeastern University. Megan has previously taught at North Carolina Wesleyan College and North Carolina State University.

**Kelly Van Busum** is currently a doctoral candidate in Computer Science at the University of North Carolina at Chapel Hill, and has a B. A. in Computer Science/Elementary Education from DePauw University, and a M. S. in Computer Science from the University of North Carolina at Chapel Hill. Kelly has previously taught at the University of North Carolina at Chapel Hill.

**Dr. Alexander Yap** has lived in the Philippines, England, Denmark, and the United States. His education includes a Ph.D. from the Copenhagen Business School, a M. S. from the University of Exeter, a M. S. from Williams College, and a B. S. from the University of the Philippines. He previously taught at Virginia Commonwealth University.

**ELON**.edu

web address: [www.elon.edu/compsci](http://www.elon.edu/compsci)  
e-mail: [csnewsletter@elon.edu](mailto:csnewsletter@elon.edu)

Interface Editor: Beth Ellington

## Alumni News



**Charles Roberson** “ I have been at **Intel** for eight years, and I have had 3 promotions during that time. Awards in the last 8 years: Intel Corporation Design Technology Divisional Recognition Award for showing significant application performance improvement by applying superscalar compiler optimization techniques. IT Divisional Recognition Award for the creation of the OS quality and synchronization process and the successful synchronization of the engineering HPUNIX workstations across Intel world-wide. Papers in the past 8 years: C. W. Roberson, M. J. Domeika, E. W. Page, G. A. Tagliarini, *Adaptive Resonance Theory-II Neural Network Approach to Star Field Recognition, Applications and Science of Artificial Neural Networks II*, Steven K. Rogers, Dennis W. Ruck, Editors, Proc.SPIE 2760, pp. 589-596 (1996). Other CS efforts: Computer Chess- created the program *NoonianChess* that competed in the 2002 World Computer Chess Championships in Maastricht, Netherlands...CPU 2000 SPEC Floating Point Benchmark Suite: Co-author 179.art. *An Adaptive Resonance Theory-II Neural Network for Object Recognition in Thermal Images...*”

**Stacey Mahoney** “ After graduation I worked as a summer school teacher for the District of Columbia Youth Information Technology Project (DC Youth IT) organized by Futurenet Solutions. I taught web design and resume building to students from DC public school from ages 14 to 16... Immediately after that I acquired my current position as the **Web Coordinator at the American Society for Public Administration**... In January, I am returning to school to gain training in multimedia and web design, and will be seeking training/certifications in networking and web design.”

**Joe Roberts** “I am the IT Operations Manager at **Weck Closure Systems** . I oversee and manage what is currently a three site infrastructure ranging from North Carolina to Pennsylvania and New Jersey. I have a staff of five that manage thirty servers running Windows 2000 and Sun Solaris. There are 400 managed desktops and laptops that we support within our facilities and across our sales force.”

## Dr. Larry Hodges Speaks to Students and Faculty



Dr. Larry Hodges discusses graduate school opportunities with Matt Rice.

**Dr. Larry Hodges**, a 1974 Elon graduate, discussed his research at the University of North Carolina-Charlotte, where he is Chair of the Computer Science department in the College of Information Technology, with students and faculty on November 8, 2002.

Dr. Hodges spent fourteen years as a faculty member in the College of Computing at the Georgia Institute of Technology where he founded and headed the Virtual Environments Group in the GVU Center . He is also co-founder of Virtually Better , a company that specializes in creating virtual environments for use in the treatment of anxiety disorders. Dr. Hodges received his Ph.D. from North Carolina State University in Computer Engineering in 1988. He also holds a M.S. in Computer Science from NCSU (1984), a M.A. in Religion from Lancaster Theological Seminary (1978).

Dr. Hodges also discussed graduate school opportunities for Elon graduates majoring in Computer Science and Computer Information Systems.

## Contact Us

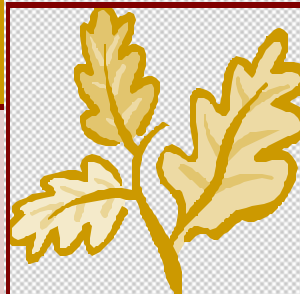
**We need your e-mail address.**

**We need to know any alumni news that you are willing to have in the newsletter.**

**We need to know if you have any employment opportunities for our graduates that you would like us to advertise.**

**We need to know if you have any internship opportunities for our students.**

**Please send all information to [csnewsletter@elon.edu](mailto:csnewsletter@elon.edu) and [cc:alumnirelations@elon.edu](mailto:cc:alumnirelations@elon.edu).**



Elon Computing Sciences Department  
web address: [www.elon.edu/compsci](http://www.elon.edu/compsci)  
e-mail: [csnewsletter@elon.edu](mailto:csnewsletter@elon.edu)

ELON  
edu

## Programming Contest

A team of Elon University students finished in a tie for 23rd place at the Southeast Regional Association for Computing Machinery Programming contest, held Nov. 16 at Duke University.

Students **Ryan Barnard**, **Brian DeYoung** and **Michael Richards**, along with faculty advisor **Joel Hollingsworth**, competed against 139 teams. The Elon team finished ahead of teams from schools such as Villanova, the University of North Carolina at Chapel Hill, the University of Maryland and the College of William and Mary.

## Conferences

On November 22, 2002 the Elon Computing Sciences Department Student Chapter of the ACM traveled to the ACM Mid-Southeastern Chapter Fall Conference in Gatlinburg, Tennessee. Professor **Vicki Hightower** made a presentation entitled *Working with Project Teams in an Information Systems Environment*. Mrs. Hightower displayed several projects from previous years which gave her an opportunity to communicate the attributes of the programs that Elon has to offer students.

### Student Opportunities

Association of Computing Machinery

Elon College Fellows Program

Internships

Research

## 2001– 2002 Academic Award Winners

**Jeff Gariepy**, a 2002 Elon graduate, won **Best Paper** at the 2001 Fall ACM Conference of the Mid-Southeast Chapter for his paper "Using Genetic Algorithms to Approximate Solutions to Linear Assignment Problems". Jeff presented on 11/16/01, competing against 18 other presenters.

The Computing Sciences department would also like to congratulate the following students who received the following academic awards for the 2001-2002 academic year.

<b>Computer Science Academic Achievement</b>	<b>Ruth Brown and Jeff Gariepy</b>
<b>Computing Science Department Service</b>	<b>Jeff Gariepy</b>
<b>Elon College Programming Contest</b>	<b>Jeff Gariepy</b>
<b>Information Systems Academic Achievement</b>	<b>Jeff Gariepy and Elizabeth Spain</b>
<b>Carpenter Award</b>	<b>Evan McCauley</b>



## Graduate School News

Recent Elon University Computing Sciences graduates have pursued further study in graduate programs at Clemson University, Georgia Tech, Oklahoma City University, Kansas State University, University of North Carolina Greensboro, Johns Hopkins University, University of Maryland, Wake Forest, William and Mary, Virginia Tech and North Carolina State University. Three 2002 graduates are currently enrolled in graduate school. **Jeff Gariepy** is attending Wake Forest, **Elise Hewett** is attending William and Mary and **Beth Yost** is attending Virginia Tech.

## The Computing Sciences Department of Elon University

Duke 307  
College of Arts and Sciences  
Elon University  
Elon, NC 27244

ELON.edu

[www.elon.edu/compsci/](http://www.elon.edu/compsci/)  
[csnewsletter@elon.edu](mailto:csnewsletter@elon.edu)

# New Majors in Computing Sciences

The Computing Sciences Department has two new majors to offer Elon University students this academic year. They are a **Bachelor of Arts in Computer Information Systems** and a **Bachelor of Science in Computer Science**.

The B. A. in Computer Information Systems requires 38 semester hours of computer information systems plus 8 hours of mathematics courses and a course in Ethics. The CIS major prepares the student to work in a programming or non-programming technical or management position including: Systems Analyst, Application Programmer, Database Programmer/Administrator, Program Manager, Network Administrator, Web Developer, Webmaster, Web Programmer or Computer Support.

The B. S. in Computer Science requires 57 semester hours of computer science and mathematics courses and 8 semester hours of a biological or physical science. The CS major is a rigorous one emphasizing the application and theory of computation. Students study programming languages, operating systems, compilers, algorithm analysis, and problem solving using computer technology.

Visit our web site at [www.elon.edu/compsci](http://www.elon.edu/compsci) to learn more about these majors.