

Help us out by taking an Alumni survey  
see details below.

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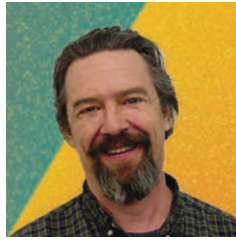
May 2008



North Dakota State University

# Computer Science Department

## Thoughts from the Head



Dr. Brian M. Slator,  
Department Head

You are holding a first edition of the NDSU Computer Science Department Newsletter. As the new department head, I advise you to handle this carefully. When you are done reading, store it in a cool

dry place, as it might be very valuable some day.

Notice we have not named our new newsletter. That is because "Bits and Bytes" has been used to death. We have been thinking of calling it "The CS Newsletter", but we are open to suggestions.

It has been an eventful time in the CS department. Our friend and colleague Paul Juell passed away in December. There is now a scholarship fund named for him.

Meanwhile, the department has a relatively new Software Engineering program, and we are about to launch an innovative program in Applied Computing. With CS enrollments falling across the country we need to improvise and adapt. For example, there are a number of new faces, as you will see in the following pages. The department has an unprecedented youth movement.

And now, a newsletter too.

## Scholarship Program Launched

The National Science Foundation has funded a grant to support scholarships in the computing sciences at NDSU. The funding for a four-year period is \$463,200. This funding level far exceeds that of any previous scholarship programs in the department. Dubbed CoCISE (Collaborative for Scholarships in Computer, Information Sciences, and Engineering), the program is providing scholarships for students in computer science, management information systems (MIS), and computer engineering. Dr. Kendall E. Nygard is Princi-

pal Investigator and Project Director. CoPIs include Drs. Brian Slator and Xiaojiang (James) Du (computer science), and Drs. Bud Bowlin (MIS) and Raj Katti (ECE). Other senior personnel include Drs. Dean Knudson and Joseph Latimer. Major goals of the program are to attract more women and members of minority groups into the computing sciences, and to make it possible for students with financial constraints to stay continuously in school. Scholarships are awarded to students who have a good academic record and also qualify for

financial aid under federal guidelines. Efforts are being made to encourage well-qualified high school and transfer seniors to apply for these scholarships. It is anticipated that on the order of 60 or more scholarships of at least \$1,500 will be awarded each year under the program. Please help us fill these scholarships by giving us scholarship leads and recommending people you know apply for them.



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### Special points of interest:

- **"Hey! Help us out!"** Please take a few minutes to fill out a Computer Science Alumni survey. Visit the CS website <http://cs.ndsu.edu/>. Survey closes July 18.
- Dr. Bill Perrizo was awarded a prestigious NDSU Professorship, and also won the FM Chamber of Commerce Professorship for 2008.

# Programming Teams Take 1st & 2nd in Competition

Our programming competition teams 'swept' the eighth annual Digi-Key Collegiate Computing Competition (DKC<sup>3</sup>) in Thief River Falls, MN at the Digi-Key corporate headquarters on October 19. The teams were coached by Richard Rummelt and won by a wide margin. This is the first time in the eight year history of the DKC<sup>3</sup> that any university has won both first and second place. The other universities participating were; Bemidji State University, St. Cloud State University, University of Minnesota - Duluth, University of Minnesota - Morris, University of North Dakota, Concordia College, and Mayville State University.

Team 'Pi Rho' (Evan Braaten, Adam Helsene, Dustin Kerber, Eric Odegaard) won 1<sup>st</sup> place: \$200 for each team member, \$3000 for the Computer Science Department, and the brass trophy that is displayed in our reception area.



First Place Team "Pi Rho"

Team 'Dacodas' (Aaron Feickert, Robert Foertsch, Abram Jackson, Amar Nishant Singh) won 2<sup>nd</sup> place: \$150 for each team member and \$1800



Second Place Team 'Dacodas'

for the Computer Science Department.

Representatives of Digi-Key's Information Technology department visited NDSU on November 2. The presentation of the trophy and prize money was conducted in the Meineke conference room in the Memorial Union. Afterward, everyone had lunch at Passage To India (compliments of Digi-Key).

## Paul Juell



Dr. Paul Juell

Dr. Paul L. Juell, 62, of Fargo, ND died at Meritcare on Saturday, December 29, 2007. Paul was born on August 26, 1945 the son of Lawrence and Vivian Juell in Lusk, WY. He attended school in Glasgow, MT and Riverdale, ND. In 1968, he graduated from NDSU with a degree in Physics. He worked as a student programmer at the NDSU Computer Center and after graduation continued as a systems programmer/instructor. In 1971, he married Carolyn Jacobson at Salem Lutheran Church, Hitterdal, MN. They moved to Troy, NY where he graduated with MS degree from Rensselaer Polytechnic Institute in 1972. He worked for Wang Laboratories in Tewksbury, MA designing the operating system and pro-

cessor interface for the VS computers. In 1975, they moved to Columbus Ohio while he attended Ohio State University. He began teaching Computer Science at the University of Wyoming, Laramie, WY in 1980. He graduated with a PhD from Ohio State University in 1981. He returned to NDSU to teach in Computer Science Department in 1982. His teaching and research interests were Artificial Intelligence, Systems, and Technology Based Teaching. He was advisor for the NDSU Student Chapter of ACM and honorary member of Upsilon Pi Epsilon. He served as Associate Chair 2005-2007. His research interests lead to travel to China in 1984 as part of People to People delegation, Egypt in 2004 for a Fulbright Exchange with the University of Cairo where he coordinated the establishment video conferencing with NDSU, and invited presentations for conferences in Italy and Morocco. Paul

was dedicated to his teaching and served as major graduate advisor to over one hundred twenty seven MS and PhD students.

He and his wife were also foster parents for nineteen years with the Lutheran Social Services Unaccompanied Minors Program. In December 2007, they received the Advocate Award from Region V Children's Services Committee. He also found time to pursue his passion for flying in the Neo Flying Club plane. He said he felt "free" while flying.

Paul is survived by his wife, Carolyn, foster sons, Thao Le (Brooklyn Park), Cuong Pham (St. Cloud), Bolo Deng (Fargo) and Charlie Nguyen (Charlotte, N.C.), five foster grandchildren, and twelve nieces and nephews. He was preceded in death by his parents, his daughter, Kristin, brother, Harold and foster brother, Marvin Uphaus.

## Faculty



Anne Denton,  
Ph.D.,  
University of  
Mainz



Hyunsook Do,  
Ph.D.,  
University of  
Nebraska



Xiaojang  
(James) Du,  
Ph.D.,  
University of  
Maryland



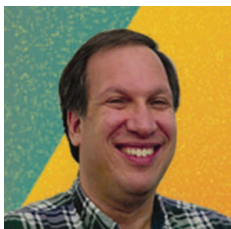
Yan Gu, Ph.D.,  
Georgia  
Institute of  
Technology



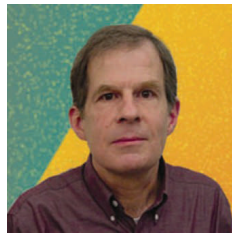
Dean Knudson,  
Ph.D.,  
Northwestern  
University



Jun Kong,  
Ph.D.,  
University of  
Texas



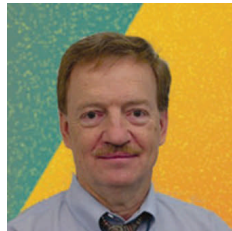
Kenneth Magel,  
Ph.D.,  
Brown  
University



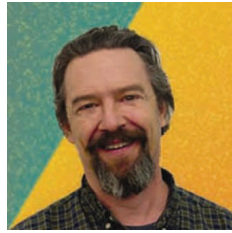
John Martin,  
Ph.D.,  
Rice University



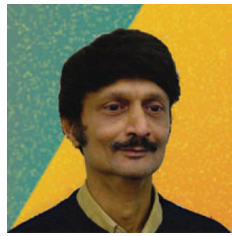
Kendall  
Nygard, Ph.D.,  
Virginia  
Polytechnic  
Institute



William  
Perrizo, Ph.D.,  
University of  
Minnesota



Brian Slator,  
Ph.D.,  
New Mexico  
State University



Vasant Ubhaya,  
Ph.D.,  
University of  
California-  
Berkeley



Dianxiang Xu,  
Ph.D.,  
Nanjing  
University



Weiyi (Max)  
Zhang, Ph.D.,  
Arizona State  
University

## Lecturers



Sameer  
Abufardeh



Dana Johnson



Pratap Kotala

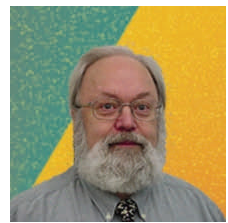


Oksana  
Myronovych



Richard  
Rummelt

## Emeritus



Bruce  
Erickson, Ph.D.,  
Yale  
University



Robert  
Gammill, Ph.D.,  
Massachusetts  
Institute of  
Technology



