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*The Newsletter of the Department of*



combinatorics, integral transforms and operational calculus, orthogonal polynomials and special functions. He is on eleven editorial boards, won 22 grants, edited or co-edited seven books and journal special issues, published about two hundred papers, made over forty invited addresses (he is always traveling) and supervised six Ph.D. dissertations and three M.A. theses. He will be moving to the University of Central Florida.

Meanwhile...

**A.N.V. Rao and Chris Tsokos** won the Time Warner Humanitarian Award for the *Urban Scholars Program*. This program brings disadvantaged youngsters to USF on Saturdays for extra lessons.

And in the midst of buying a house and playing with his two-year old son, **Brian Curtin** won the NSA Young Investigators Grant.

Six faculty members won the USF Presidential Excellence Award last winter: **Mourad Ismail, Natasha Jonoska, Boris Shekhtman, Vilmos Totik, Chris Tsokos, and Yuncheng You.**

And the Institute for Scientific Information listed **Mourad Ismail** as one of the most cited scientific researchers; he is the only USF researcher on the list. Check it out at [isihighlycited.com](http://isihighlycited.com).

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school record and letters from their secondary math and science teachers.

Approximately 110 students participated, attending daily for five weeks. Students in the Mathematics and Science Program learned some math, astronomy, computer science, and environmental issues. Faculty instructors were **Manoug Manougian** and **Carol Williams**.

Students in the Mathematics, Engineering, and Science Program learned some mathematics, C<sup>++</sup> programming, and Physics and Biology. Eight students in this Program had returned from summer, 2002: these students studied more advanced linear algebra using the symbolic programming language *Maple* and engaged in personal research projects with faculty from computer science, engineering, mathematics, physics, and chemistry. The individual research component of this program was sponsored by a grant from the Academy of Applied Science of Concord, New Hampshire. Faculty instructors in this program were **Joseph Liang**, **Li-Jung Ming** of Chemistry, and **Pothoven**.

The Programs concluded with awards ceremonies on the evenings of July 9 and 10. Outstanding students were recognized for their work, and College of Arts and Sciences Acting Dean **Kathleen Heide** addressed the students on July 10.

## Student Clubs

The two mathematics clubs, the USF Section of the Mathematics Association of America (open to all students) and the USF Section of Pi Mu Epsilon (by invitation) meet and work together.

As usual, the Math Clubs hosted the Fall and Spring Hillsborough County

Math Bowls, which were held at the USF Special Events Center. Twenty high schools participated, each sending four teams of four students with their respective faculty advisors. Individuals and teams competed in the morning and prizes were awarded in the afternoon. Students usually have lunch in the Marshall Center and some of them were even seen touring the Math Dept with their teachers! Hopefully a few of them will decide to continue their college studies with us. They are the best math students in our local high schools.

For twenty-six years, **Fred Zerla** has served as Math Clubs advisor. He retired last Spring, and **Fernando Burgos** is the new advisor. Both worked organizing the Math Bowls.

On April 15, 2003 a Math Clubs contingent attended the annual St. Petersburg College Math Awareness Conference held this year at the St. Petersburg Yacht Club in Downtown St. Pete. This terrific half-day event featured 4 sessions with speakers from the bay area who use mathematics in their work. Topics ranged from “using statistics in healthcare” to “using Fourier theory in engineering applications.” Very interesting in particular for undergraduate students to see what they can do in the real world with the math they are learning.

On April 25, 2003 the USF chapter of the Pi Mu Epsilon Mathematics Honor Society inducted 14 new members at its annual banquet in the President's Reception Room in the Marshall Center. Many relatives and friends of the inductees were present as was Department Chair **Marcus McWaters** and other Faculty members and their families.

# **We'd like to hear from you!**

The Department of Mathematics would like to hear from alumni, friends, collaborators, members of the community, and fellow explorers of and guides to the world of mathematics.

Contact us at: 974-2643, or fax 974-2700. E-mail <mathdept@math.usf.edu>. We have a web-page at <<http://www.math.usf.edu/>>. Snail-mail address is Department of Mathematics, University of South Florida, 4202 E. Fowler Ave., PHY114, Tampa, FL 33620.

## **The Continuing Crisis**