

At SDSU he has distinguished himself as an outstanding teacher and scholar, not only among his students; but among his colleagues as well. Often described by his students as "entertaining" "enthusiastic" "well-organized" (no small feat for a professor who teaches Mathematics). Dr. Carretero is known and appreciated for his clear explanations, his excitement about the field and the way he keeps the class interested and engaged in the topic.



In May of 2007, Math Lecturer, **Corey Manchester** was awarded the San Diego State University Favorite Faculty Award for 2006-2007.

Each year since 2003-2004 the SDSU Residential Education Office has bestowed this tremendous honor on one deserving faculty member. This award is of particular significance because the nomination and voting processes are purely student-driven.

While Corey has been nominated every year, this was the first time he has won. Other Mathematics and Statistics nominees in years past include Lecturers Amy McElroy, Kevin Cavanaugh, and several of our Graduate Teaching Assistants.

Corey is a full-time Lecturer in the Department. He came to SDSU in Fall 2002 with a BS and MS from the University of New Mexico.

## Research

### *Undergraduate Research*

**San Diego State University Mathematics Research Experience for Undergraduates and Teachers.** Directed by Professor **Vadim Ponomarenko**



This eight-week summer program, supported by the National Science

Foundation, aims to give its participants a clear understanding of the world of mathematical research, primarily through firsthand experience. The dates of the 2008 program are tentatively June 23 - August 15. Participants are grouped into research teams consisting of undergraduates and high school teachers. Each team is led by a graduate student and advised by a professor. Teams engage in original research, of significant interest and potential impact. Expected participant outcomes include mastery of the problem area, appreciation of mathematical research, improvement of mathematical speaking/writing skills, presentation of results at scholarly conferences, and publication of results in scholarly journals. The program's inaugural year was in the summer



of 2007. The faculty participants were **Kristin Duncan**, who directed a project in statistical modeling of internet surveys, and



**Peter Salamon**, who directed several related projects in biomathematics. In addition, we had nine undergraduates, one high school teacher, and

two graduate students participating. They came from all over the country: Allegheny College, Baylor University, Bentley College, Central Washington University, Marymount University, CSU San Marcos, North Carolina State University, St. Augustine High School (San Diego), St. Lawrence University, University of Dayton, University of Rhode Island, and SDSU. The program was extremely successful, as measured by both the external reviewer and participant surveys, a summary of which can be found on the REUT website:

<http://www.sci.sdsu.edu/math-reu/2007%20Program%20Survey%20Summary.pdf>

The faculty are currently working on polishing the summer's work to conform to scholarly journal formatting, and we expect peer-reviewed publications to come as a result of this summer's work. (cont. next page)