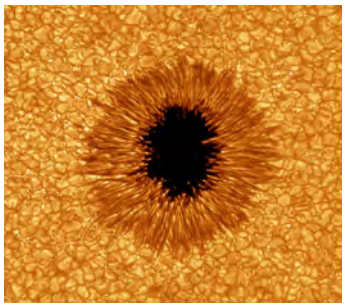
END NOTES

MORE SOLAR SURPRISES

Distinguished Professor of Physics Philip R. Goode and the research team at NJIT's Big Bear Solar Observatory (BBSO) have reported new insights into the small-scale dynamics of the Sun's surface. The observations were made during a period of historic inactivity on the Sun and reported in *The Astrophysical Journal* (Vol. 714, No. 1). The high-resolution capabilities of BBSO's new 1.6-meter aperture solar telescope have made such work possible.

"The solar chromosphere shows itself ceaselessly changing character with small-scale energetic events occurring constantly on the solar surface," says NJIT Research Professor Vasyl Yurchyshyn, also at BBSO. Such events suggest a similarity of magnetic structures and events from the hemisphere to its granular scales. The researchers hope to establish how such dynamics can explain the movement underlying convective flows and turbulent magnetic fields. ■



Acquired at Big Bear Solar Observatory, images such as this are yielding important new information about the Sun.

http://bbso.njit.edu

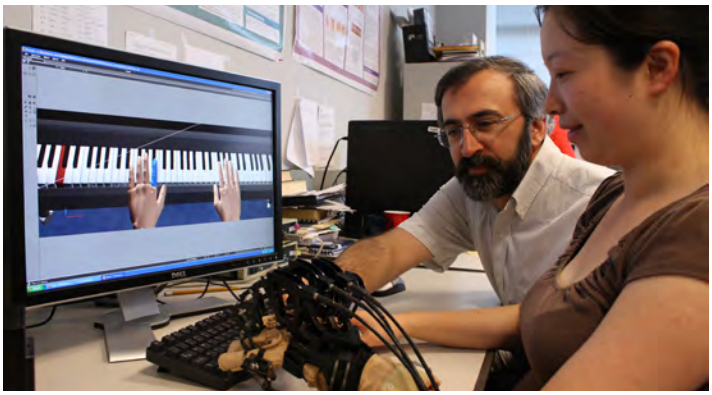


PHOTO: JOHN MICALE

Associate Professor Sergei Adamovich and graduate student Qinyin Qiu working with a CyberGrasp Glove and virtual piano program designed to help stroke patients regain the use of hands and fingers.

JAMA FEATURES BIOMEDICAL RESEARCHERS

The *Journal of the American Medical Association* (Vol. 305, No. 3) highlighted the research of Associate Professor Sergei Adamovich and colleagues at the University of Medicine and Dentistry of New Jersey into whether virtual reality video games and assistive robotic devices can improve hand and arm function for stroke patients. "Scientists Look to Emerging Technology to Treat Chronic Neurological Disorders" reported the positive results achieved with a group of volunteer patients who had suffered strokes at least six months before the start of the study. ■

Read more: njit.edu/news/2011/2011-024.php

POINT BY POINT

For the latest about all NJIT sports:
www.njithighlanders.com

GREAT WEST NAMES 12 HIGHLANDERS TO ALL-ACADEMIC TEAM

Twelve students participating in three sports were named to the Fall 2010 Great West Conference All-Academic Team. The honorees were Jonathan Daudelin (mechanical engineering), Joseph Ju (biomedical engineering) and Brian Mendez (management) in men's cross country; Daisy Gallegos (information technology), Megan Higgins (biomedical engineering), Kayla Howell (industrial engineering), Kelsey Johnson (civil engineering) and Ewelina Marut (management) in women's cross country; and Amanda Dotten (chemical engineering), Meryl Hershfield (management), Erin Morris (industrial engineering) and Christi Taylor (history) in women's soccer.

PHOTO: LARRY LEVANTI

Jonathan Daudelin

Daudelin won his spot on the team with a 4.0 grade point average. He is enrolled in Albert Dorman Honors College along with Dotten, Ju, Morris and Taylor.

To be selected for the team, student-athletes must achieve a minimum cumulative 3.2 grade point average and participate in at least 50 percent of the contests scheduled. Academic selection is based on their most recent GPA.