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## OU department chair named fellow in esteemed physics society

By Eric Reikowski, staff writer

Oakland University's own Andrei Slavin has been elected a fellow of the American Physical Society, one of the world's preeminent organizations in the field of physics.

Professor and chair of Oakland's Department of Physics, Dr. Slavin is a veteran educator with an impressive resume of achievements. He finds special meaning in reaching a status reserved for a distinguished group of scholars.

"This is a huge accomplishment for me," Dr. Slavin said, noting the honor signifies that his work has garnered international acclaim.

A member of the APS since 1992, Dr. Slavin specializes in the fields of magnetization dynamics, spintronics, microwave signal processing devices and theory of nonlinear spin waves.

According to the APS citation, Dr. Slavin was elected a fellow for "contributions to the understanding of linear of nonlinear spin wave dynamics in magnetic films and nanostructures, microwave magnetic envelope solitons and magnetization dynamics induced by spin momentum transfer."

The APS Fellowship Program was created to recognize members who have made significant contributions to physics through original research and publication, or made innovative contributions to the application of physics to science and technology. The program also recognizes those who provide outstanding contributions to the teaching of physics or exceptional service to the organization. Each year, no more than one half of one percent of society members become fellows, the APS said in a statement.

Aside from achieving elite status, Dr. Slavin is particularly proud to have gained the endorsement of some of his most admired peers. His fellowship nomination drew letters of support from several renowned scientists, including 2007 Nobel Prize winner Albert Fert and other leading researchers from around the globe.

Slavin's contributions to his field have been immense and far-reaching. In 2006, he coauthored "Bose-Einstein condensation of quasi-equilibrium magnons at room temperature." The article was later published in "Nature," one of the most prestigious scientific journals in the world. In 2008, he published five articles in "Physical Review Letters," a top research journal in the field of physics.

Additionally, Dr. Slavin's impact has been felt right here at Oakland University. Since arriving in 1991, he has built a reputation as a passionate educator and leader. In the 2008-09 academic year, with Slavin serving as chair, Oakland's Department of Physics secured more than \$1.6 million in external grants, roughly 20 percent of all external grants brought to the university during that time.

"We, as a department, have published over 130 papers and made more than a hundred presentations at national and international conferences," Dr. Slavin said.

Most recently, Slavin received the 2009 Research Excellence Award from Oakland. He is the third member in the Department of Physics to become an APS Fellow, joining esteemed colleagues Dr. Bradley Roth and Dr. David Garfinkle.

"It is an honor and pleasure to work in a department with such a wonderful group of researchers, educators and friends," Dr. Slavin said. "I am proud to say that now one-third of our department faculty members are APS Fellows."



*Andrei Slavin has been elected a fellow of the American Physical Society.*

### SUMMARY

Professor Andrei Slavin, a veteran educator with an impressive resume of achievements, has reached a status reserved for a distinguished group of scholars.

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