

## Press release #2-ISJAE-2007

Professor Mark A. Prelas, Director of Research, Nuclear Science and Engineering Institute at the University of Missouri-Columbia has been awarded the Frederic Joliot-Curie Medal for his pioneering work in nuclear energy conversion and nuclear batteries. The Frederic Joliot-Curie Medal is an award sponsored by the Government of Russia, the United Nations Industrial Development Organization, the International Center for Hydrogen Energy Technologies (UNIDO-ICHET), the International Association for Hydrogen Energy (IAHE) and the International Scientific Journal of Alternative Energy and Ecology. Professor Prelas is the first recipient of the Frederic Joliot-Curie medal. He was selected by an international committee based on his scientific innovation, his numerous contributions to the advancement of nuclear energy conversion and nuclear batteries, and his leadership in the field. He is internationally known for his work on nuclear pumped lasers (he discovered an atomic carbon nuclear pumped laser which was among the first of such lasers that was reproduced by laboratories around the world), for his work on the nuclear light bulb (a means of generating hydrogen, electrical power and laser energy directly from nuclear reactions), and for his pioneering work on wide-band gap photovoltaic cells (wide band-gap photovoltaic cells are key components of present day nuclear batteries as well as the nuclear light bulb).

**Медаль академика  
Фредерика Жолио-Кюри**



**За вклад в эффективное  
использование  
радиоактивных  
энергоресурсов**

For contribution  
to efficient use of radioactive sources



Professor Prelas has won numerous awards: He was among the first recipients of the Presidential Young Investigator Awards in 1984 given by the National Science Foundation; He was a Fulbright Fellow in 1992 at the University of New South Wales, Australia; He was elected Fellow of the American Nuclear Society in 1999; and he was a William C. Foster Fellow in the US Department of State in 1999-2000 in the Bureau of Arms Control. The Frederic Joliot-Curie Medal will be awarded to Professor Prelas in November of 2007 in the Russian Parliament. He will be one

of 9 Laureates to receive orders and medals in this ceremony which will be followed by lectures from the Laureates and a State reception.