MIT Club of Southwest Florida

Second Sarasota Area Meeting of the 2013 Season for Alumni, Spouses, and Guests

Mariana Sendova, Ph.D.
Professor of Physics, New College of Florida, Sarasota

Nanotechnology

When : Tuesday, February 19, 2013

Where: Laurel Oak Country Club, 2700 Gary Player Boulevard, Sarasota, FL 34240

From Sarasota: Go east on Bee Ridge Road; cross under I-75; continue east for 2 miles. The club will be on your left.
From Ft. Myers and Naples: Go north on I-75; Leave eastward on Exit 207; continue east for 2 miles. The club will be on your left.

What: 11:30 am socialize; 12:00 pm lunch; 1:00 pm presentation

Prof. Mariana Sendova is breaking new ground with her program in nanotechnology at New College in Sarasota. The Optical Spectroscopy and Nanomaterials Lab opened a year ago, the only such lab at a liberal arts university. Dr. Sendova won a $1.7 million grant from the U.S. Army research Laboratory. She will tell us about their new projects using nanotechnology, including analyzing glazes on sculptures at the Ringling Museum of Art. This work could impact historical and conservational aspects of art. Professor Sendova received her Ph.D. from Sophia University in experimental solid state and laser physics in 1989. She has done research in the areas of pulsed laser-plasma deposition of thin films and laser assisted surface modification, as well as studied the structure, electrical, and optical properties of novel narrow gap semiconductor materials. She has several publications in the area of biophysics and magnetochemistry as well. In addition to teaching a number of courses in the traditional physics curriculum, Professor Sendova offers a course directed at life sciences students interested in applying principles of physics to biological systems. Her current research projects are related to laser-assisted modification of metal nano-particles in dielectric thin films, micro-Raman spectroscopy of carbon nanotubes, and applications of physical methods for analyzing objects of art.

Action Required: Please register online no later than February 4, 2013 by going to: southwestflorida.alumclub.mit.edu and clicking on Prof. Sendova Meeting under Upcoming Meetings.

Alternatively, please complete the reservation form below. Please mail this form along with your check to arrive by February 4, 2013 to: MIT Club of SWFL, P. O. Box 1868, Marco Island, FL 34146

Reservations for MIT Club of Southwest Florida Meeting on February 19, 2013

( ) Number of members and guests: ____ at $35.00 per person
( ) I am enclosing $25 to pay for “Regular Membership” 2012-2013 annual dues, OR
( ) I am enclosing $50 to pay for “Sponsor Membership” 2012-2013 for both annual dues
and for support of the MIT Summer Program for Teachers

Total amount of check: $_______. Please make check payable to the MIT Club of SWFL.

Name: __________________________ Email address: __________________________

Address: ________________________________________________________________

Phone: __________________________ Class: _______________ Course: _______________

Name(s) of guests: _________________________________________________________

Future Events: 1/17/13, Ft. Myers, Algenol Corporation (waiting list only); 1/24/13, Sarasota, Northern Trust; 2/22/2013, Naples Yacht Club, Chancellor Eric Grimson; 3/19/13, Naples Botanical Garden Tour; 3/21/13, Sarasota, Deborah Fitzgerald, Dean, MIT School of Humanities, Arts, and Social Science.