



IEEE-NTC Fall School 2018 on "Nanotechnology for Energy"

When: October 13 and 14, 2018

Location: Engineering Lecture Theater at Portland State University,
Room EB-102, Engineering Building, 1930 SW 4th Avenue, Portland, OR

Fees: \$25 (Pre-registration until Oct. 4th) OR \$35 (On-Site); *includes Breakfast and Lunch*

Registration: <https://www.regonline.com/registration/Checkin.aspx?EventID=2532393>

About the School:

This Fall school provides an overview of next-generation nanotechnology solutions / tools for diverse energy applications, and is structured for a target audience of students at the senior-undergraduate and graduate levels. The content will be delivered through 7 synergistic tutorials that focus on the following thematic topics: (i) nanomaterials for energy and sustainability, (ii) nanotechnology for photovoltaics and storage (batteries), and (iii) atomic-to-nanoscale computational modeling / experimental characterization tools for energy nanosystems.

Co-sponsored by the IEEE Nanotechnology Council (IEEE-NTC) and the Department of Electrical & Computer Engineering, Portland State University

See <http://www.ieeenmdc.org/nmdc-2018/program/student-programs/>

Technical Program – Day 1 (10/13, Saturday)

Time	Tutorial Topic / Activity
7:30 – 8:30	<i>Registration & Breakfast</i>
8:30 – 10:20	Introduction to Nanotechnology and Nanomaterials <i>Prof. Arun Subramanian</i> <i>University of Illinois at Chicago, USA</i>
10:30 – 12:20	Sustainable Materials for Energy Conversion and Storage <i>Prof. Clara Santato</i> <i>Polytechnique Montreal, Canada</i>
12:30 – 13:30	<i>Lunch</i>
13:30 – 15:20	Nanotechnology for Photovoltaics <i>Prof. Stephen Goodnick</i> <i>Arizona State University, USA</i>
15:30 – 17:20	Nanodielectrics and Nanocomposites <i>Dr. Michel Frechette</i> <i>École de technologie supérieure (ETS), Montréal, Canada</i>

Technical Program – Day 2 (10/14, Sunday)

Time	Tutorial Topic / Activity
7:30 – 8:30	<i>Breakfast</i>
8:30 – 10:20	Nanotechnology for Energy Storage <i>Prof. Yonhua Tzeng</i> <i>National Cheng Kung University, Taiwan</i>
10:30 – 12:20	Imaging and Characterization of Energy Nanosystems <i>Prof. Reza Shahbazian-Yassar</i> <i>University of Illinois at Chicago, USA</i>
12:30 – 13:30	<i>Lunch</i>
13:30 – 15:20	Computational Modeling of Energy Nanomaterials <i>Dr. Arun Kumar Mannodi-Kannakkithodi</i> <i>Argonne National Laboratory, USA</i>