

Students Graduated

- **Ten Doctoral Students Graduated (with Koratkar as Primary Research Advisor)**
 - **Zuankai Wang and Jonghwan Suhr are tenure-track assistant professors**
- (1) Mohammad Ali Rafiee (2011), “Fracture and Fatigue in Graphene/Polymer composites”, Mohammad is winner of the American Helicopter Society (**AHS) Robert L. Lichten Award** in 2010. Only one such award is made every year by the AHS to a student for excellence in research. Mohammad is a post-doctoral scientist with Professor Pulickel Ajayan’s group at Rice University.
 - (2) Rahul Krishnan (2011), “Nanopatterned silicon anodes for high rate/power capability in Lithium-ion batteries”. Rahul is working for Intel in Portland, Oregon.
 - (3) Iti Srivastava, (2010) “Mechanical properties of polymer nanocomposites”, Iti is working with a composites based company, Zyvex technologies in Columbus, OH. Iti has won the \$10,000 **Amelia Earhart Fellowship** for women in 2010. Only 10 such awards are made every year in the United States.
 - (4) Ranganath Teki, (2009) “Nanorod structures for energy conversion and storage”, Teki is a research scientist at SEMATECH in Albany, NY.
 - (5) Wei Zhang, (2008) “Advanced multifunctional composites featuring carbon nanotube additives”. Wei works at the General Electric Global Research Center, Niskayuna, NY
 - (6) Zuankai Wang (2008), “Understanding and controlling wetting phenomena at the micro/nano scale”, Zuankai is an **assistant professor** at the City University of Hong Kong. Zuankai is also a winner of the 2007 **Materials Research Society (MRS) graduate student award**.
 - (7) Seongyul Kim (2008), “Fundamental study of field-induced gas and water dissociation near nanostructured electrodes”, Kim works for Samsung in Korea.
 - (8) Li Chen, (2008) “Field induced adsorption/desorption of gas species to the surfaces of carbon nanotubes”. Li is a clinical (teaching) faculty at Bridgewater State College, CT.
 - (9) Jonghwan Suhr, (2005) “Energy dissipation mechanisms in carbon nanotube polymer composites”. Jonghwan is an **assistant professor** of mechanical engineering at the University of Delaware. He is a winner of the **NSF Career Award** in 2009.
 - (10) Jongmin Kim, (2004) “Flow control strategies for improved aerodynamic efficiency of micro-rotorcraft”. Jongmin works for Samsung in Korea. Jongmin is a winner of American Helicopter Society (**AHS), Robert Lichten Award (2004)**.

Masters Students Graduated (with Koratkar as Primary Research Advisor)

- (1) Velibor Peric (2009), “Impact damage mitigation in nanocomposites”, Velibor works at Boeing Aircraft.
- (2) Andrew Proper, (2008), “Hierarchical carbon nanotube composites”, Andrew works for Electric Boat in Connecticut, USA.
- (3) Jeremy Nelson, (2004), “Flow control strategies for improvement of micro-air-vehicle performance”, Jeremy works for Dupont in California, USA.
- (4) Eric Lass, (2003) “Effect of temperature on the resistivity of aligned multi-walled carbon nanotube films” , Eric works for NIST in Washington DC.
- (5) Ashish Modi, (2003) “Miniaturized gas ionization sensors using carbon nanotubes” , Ashish pursued an MBA degree at Wharten School of Management (University of Pennsylvania) and is now with British Petroleum.

Thesis In Progress

Nine graduate students (7 Ph.D. and 2 M.S.) are working with Koratkar as advisor

- (1) Javad Rafiee, “Hydrogen storage in defective graphene”, Started Ph.D. in January (2009). Javad is a winner of the \$30,000 **MIT-Lemelson student prize for innovation** in 2010. Four such prizes are awarded every year to students who have made inventions that show promise to change the world.
- (2) Abhay Thomas, “Fundamental study of condensation on nanostructured surfaces”, Started Ph.D. in August (2009).
- (3) Fazel Yavari, “Fatigue in hierarchical graphene composites”, Started Ph.D. in August (2009).
- (4) Ardavan Zandiatashbar, “Multiscale modeling of graphene based composites”, Started Ph.D. in January (2009).
- (5) Prashant Dhiman, “Nanofluidic power generation in one-dimensional (carbon nanotube) and two-dimensional (graphene) films”, Started M.S. in August (2009).
- (6) Rahul Mukherjee, “Nanostructured anode concepts for high power Li-ion batteries”, Started Ph.D. in August (2010).
- (7) Ajay Krishnamurthy, “Nano-engineered electrodes for microbial fuel cells”, Started Ph.D. in August (2010).
- (8) Samuel Moran, “Impact studies on graphene polymer nanocomposites”, Started M.S. in August (2010).
- (9) Eklavya Singh, “Graphene based microfiltration technologies”, Started Ph.D. in June (2011).