

Professional Awards/Recognitions and Service

- Appointed **Editor of CARBON (Elsevier)** on September 01 (2010). (<http://www.elsevier.com/locate/carbon>)
- Elected **Associate Fellow** of American Institute for Aeronautics & Astronautics (**AIAA**) in (2010).
- **The Electrochemical Society's SES Young Investigator Award (2009).**
- **Keynote Address** at the Second International Conference on Nanomechanics and Nanocomposites, Beijing, China, October 10-13 (2010).
- Delivered **Invited Talks** at several prestigious international conferences including International Conference on Nanoscience and Nanotechnology (ICONSAT)- Calcutta, India (2003), Materials Research Society (MRS) Spring Meeting, San Francisco, CA (2004), American Vacuum Society (AVS) Meeting, San Jose, CA (2009), TMS Annual Meeting, San Francisco, CA (2009), ICONSAT- Mumbai, India (2010), and MRS Fall Meeting, Boston, MA (2010).
- **Technical Chair** of the steering committee of the NSF-DFG Sponsored Research Conference on Nanoscience and Nanotechnology, NY City, October 15-17 (2009).
- **Associate Editor** of Nanoscience and Nanotechnology Letters Journal (2009-2010)
- **Rensselaer Polytechnic Institute Early Career Award (2005)**
- **Technical Chair** of the characterization of nano-composites track at the ASME Multifunctional Nanocomposites Conference, University of Hawaii at Manoa, 20-22 October 2006.
- **Guest Editor** for a special issue of Journal of Intelligent Materials Systems and Structures. The special issue was focussed on "Nanostructured Materials" and was published in March 2006.
- **United States National Science Foundation's CAREER Award (2004)**
- **American Helicopter Society (AHS) Francois-Xavier Bagnoud Award (2004)**
- **Rensselaer School of Engineering Excellence in Research Award (2004)**
- AHS Vertical Flight Foundation Award (1999)
- AHS Federal City Chapter's Joseph P. Cribbin's Award (1999)
- University of Maryland Minta Martin Fellowship (1998)
- AHS South-East Region Robert Lichten Award (1998)
- University of Maryland, Graduate School Fellowship (1995)
- Member AIAA Adaptive Structures Technical Committee, (2003-present)

- **Session Chair** at various conferences including Symposium EE at MRS Fall Meeting (2008), nano-composite session at TMS Annual Meetings (2008-2009), SPIE smart materials and structures conferences (2003-2005), NSF conference on nanoscience and nanotechnology (2009) and International Conference on 1-D Nanomaterials (2009).
- Referee for over 40 different journals including Physical Review Letters, Nano Letters, Small, Physical Review B., Advanced Materials, Advanced Functional Materials, Langmuir, Journal of Physical Chemistry B, Chemistry of Materials, Journal of American Chemical Society, Carbon etc.
- Served on several National Science Foundation Review Panels including, Nanoscale Interdisciplinary Research Team Program, Nano-Manufacturing Program, Surface Engineering and Materials Design and Kinetics, Catalysis and Molecular Processes Programs.

Achievements/Awards of Koratkar's Ph.D. Students

- Zuankai Wang (Ph.D. 2008) is a tenure-track assistant professor of mechanical engineering at the City University of Hong Kong.
- Jonghwan Suhr, (Ph.D. 2005) is a tenure-track assistant professor of mechanical engineering at the University of Nevada, Reno and is now shifting to University of Delaware as a tenure track assistant professor in mechanical engineering.
- Jonghwan Suhr (Ph.D. 2005) won the NSF Career Award in 2009.
- Zuankai Wang (Ph.D. 2008) won the Materials Research Society Graduate Student Silver Award at MRS Fall Meeting (2007)
- Zuankai Wang (Ph.D. 2008) won the Chinese Government Outstanding Self-Financed Students Abroad Award (2007).
- Javad Rafiee (Ph.D. expected 2011) won the \$30,000 MIT-Lemelson student award (2010).
- Mohammad Rafiee (Ph.D. expected 2010) won the American Helicopter Society (AHS), Robert Lichten Award at the national level (2010).
- Iti Srivastava (Ph.D. expected 2010) won the \$10,000 Amelia Earhart Fellowship for women researchers in aerospace engineering (2010).
- Jongmin Kim, (Ph.D. 2004) is a winner of American Helicopter Society (AHS), Robert Lichten Award at the national level (2004).

Sample Media Reports and Magazine Articles

- Over 300 Reports citing Koratkar's research have appeared in top media outlets including NY times, USA today, Nature News, Scientific American and Wikipedia.
- Koratkar has been interviewed by BBC Radio and Northeast Public Radio and by CBS and ABC TV News in Albany, NY.
- The National Science Foundation has also issued a Press Release based on his work in nano-composites.

Few sample media reports are given below:

- (1) “Nanorods make boiling better”, Published by **Nature** in the news section (doi:10.1038/news.2008.935), July 4, 2008.
- (2) “Nanorods enhance boiling”, **BBC Radio’s Science in Action Program**, July 4, 2008.
- (3) “Pot boiler: a new, faster way to heat water”, **Scientific American**, July 8, 2008.
- (4) “Controlling the movement of water through nanotube membranes”, **Wikipedia**, the free encyclopedia, 2007.
- (5) “Carbon nanotube 'shock absorbers' excel at dampening vibration”, Press Release issued by the **National Science Foundation**, January 2005.
- (6) “Leap in sniffing: nanotubes can name that gas”, **New York Times**, Aug 19, 2003.
- (7) “Handheld bioterror detectors in the works”, Article in **USA Today**, July 7, 2003.