

Honors and Awards

1. Doctoral Student (Zuankai Wang) awarded the outstanding graduate student Research award by the government of China (2008)
2. Doctoral Student (Zuankai Wang) awarded the **Materials Research Society Graduate Student Award** at the MRS Fall meeting in Boston (2007)
3. Rensselaer Polytechnic Institute **Early Career Award** (2005)
4. *Faculty Advisor* to the RPI design team that won 1st place in the Annual AHS/Industry/NASA Student Design Competition (Undergraduate Category) (2005)
5. NSF Faculty Early Career Development (**CAREER**) Award. (2004)
6. Rensselaer, School of Engineering, **SOE Excellence in Research Award** (2004)
7. American Helicopter Society's, **Francois Xavier Bagnoud Award** for outstanding contribution to vertical flight technology. (2004)
8. Doctoral Student (Jongmin Kim) was awarded the American Helicopter Society's *Robert L. Lichten Award*. (2004)
9. Masters Students (A. Modi and E. Lass) were selected as two of six Finalists at the *SPIE Best Student Paper* competition. (2003)
10. *Faculty Advisor* to the RPI design team that won 2nd place in the Annual AHS/Industry/NASA Student Design Competition (Undergraduate Category) (2003)
11. *Faculty Advisor* to the RPI design team that won 1st place in the Annual AHS/Industry/NASA Student Design Competition (Undergraduate Category) (2002)
12. *Curriculum Innovation Award*, Dean of Undergraduate Education, RPI (2001)
13. American Helicopter Society *Vertical Flight Foundation Award* (1999)
14. American Helicopter Society *Joseph P. Cribbin's Award* for significant contribution to Vertical Flight Technology by a Graduate Student. (1999)
15. *Team Leader* of University of Maryland's winning entry to the AHS/Industry/NASA Student Design Competition (Graduate Category). (1999)
16. University of Maryland *Minta Martin Fellowship* for Aerospace Research Excellence (1998)
17. American Helicopter Society, South-East Region *Robert Lichten Award* for Best First-Time Technical Paper by a Society Member (1998)
18. SPIE Smart Structures Conference *Best Student Paper Finalist* (1998)
19. University of Maryland, *Graduate School Fellowship* (1995)

Media Reports and Exhibits of Work:

Over 200 Media Reports citing Koratkar's research have appeared in top outlets including the NY times and USA today. Koratkar has also been interviewed by BBC World Service, 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 Koratkar's work in nano-composites.

Few sample reports are given below:

- (1) "Hotrods enable better boiling", Featured on **Nature** in the online News Section, July 04, 2008.
- (2) "Cu nanorods enhance boiling", Featured by **BBC Radio** (Science in Action Program), July 04, 2008.
- (3) "Carbon nanotube 'shock absorbers' excel at dampening vibration", **Press Release issued by the National Science Foundation**, Jan-2005.
- (4) "Leap in sniffing: nanotubes can name that gas", Article in **New York Times**, August 19, 2003.
- (5) "Handheld bioterror detectors in works", Article in **USA Today**, July 7, 2003.
- (6) Koratkar's nano-composite damping research was featured on the *formula-1official website* (<http://www.grandprix.com>), Feb. 13, 2006.
- (7) "Controlling the Movement of Water Through Nanotube Membranes", **Wikipedia**, the free encyclopedia, 2007.
- (8) "University Team Creates Novel Nanotube Membranes to Control Water Transport", *NSTI Nanoscience and Technology Institute News*, Feb 19, 2007.
- (9) "Study expands potential for using nanotubes in water purification, genetic research", *Membrane Technology*, Issue 4, Page 8 (2007).
- (10) "Using Nanotubes To Detect and Repair Cracks in Aircraft Wings, Other Structures", *Nanotechwire*, 27th September (2007).
- (11) "Carbon Nanotubes to detect and repair cracks in structures", *Materials Research Society's Materials News*, October, 2007.
- (12) "Nanotube Arrays Make Droplets Jump or Jiggle", *Photonics Spectra*, September 2007.
- (13) "Viscoelasticity in carbon nanotube composites", *Materials Today*, March 2005.
- (14) "Carbon Nanotube "Shock Absorbers" Excel at Dampening Vibration", Article in *Materials News*, January-February 2005.
- (15) Carbon Nanotube 'Shock Absorbers' Excel At Dampening Vibration", Article in *Science Daily*, 21st January 2005.