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A. John Hart

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Mitsui Career Development Chair*

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Education

Ph.D. Mechanical Engineering, MIT, 2006
S.M. Mechanical Engineering, MIT, 2002
B.S.E. Mechanical Engineering, University of Michigan, 2000

Research Interests

Manufacturing, characterization, and applications of nanostructured materials and devices; machine design; self-assembly; mechanochemistry; additive processing; carbon nanomaterials; composite materials; biointerfaces; research methods; scientific visualizations.

Experience

Associate Professor of Mechanical Engineering, MIT (07/2013 - present)
Assistant Professor of Mechanical Engineering, Chemical Engineering, and Art/Design, University of Michigan (09/2007 - 06/2013)

Awards/Honors

Best Paper Award in Compliant Mechanisms, 37th ASME Mechanisms and Robotics Conference (2013)
MIT Mitsui Career Development Chair (2013-2016)
Young Investigator Program (YIP) Award, Office of Naval Research (2012)
1938E Award, University of Michigan College of Engineering (2012)
CAREER Award, National Science Foundation (2012)
Young Investigator Program (YIP) Award, Air Force Office of Scientific Research (2011)
Robert M. Caddell Award in Manufacturing, University of Michigan (2011)
Frontiers of Engineering Attendee, National Academy of Engineering (2010)
Outstanding Faculty Achievement Award, University of Michigan Mechanical Engineering (2010)
R&D100 Award for Spin-Grower Layer-by-Layer Assembly System (2009)
Outstanding Young Manufacturing Engineer Award, Society of Manufacturing



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Engineers (2009)

Pi Tau Sigma Gold Medal, American Society of Mechanical Engineers (2009)

R&D100 Award for SabreTube Desktop Thermal Processing System (2008)

Finalist, MIT Clean Energy Entrepreneurship Prize (2008)

Young Faculty Award (YFA), Defense Advanced Research Projects Agency (2008)

Holcim Next Generation Award for Sustainable Construction (2008)

MIT Senturia Prize for Outstanding Doctoral Thesis in Micro/Nanosystems (2006)

Fannie and John Hertz Foundation Graduate Fellowship (2002-2006)

National Science Foundation Graduate Research Fellowship (2000-2002)

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