

Jon Patrick Longtin

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**Associate Professor and
Undergraduate Program Director**

AREAS OF EXPERTISE: Analytical and experimental thermal science with applications in mechanical, optical, electrical, and materials science engineering. Specific interests include short-pulse, high-power laser interactions in liquids and solids, novel laser-based processing and measurement, interface effects, thermal phenomena in thin films and microstructures.

EDUCATION: **University of California at Berkeley**, Berkeley, CA
Ph.D. in Mechanical Engineering, May 1995
University of Cincinnati, Cincinnati, OH
M.S. in Mechanical Engineering, June 1991
B.S. in Mechanical Engineering, June 1989

WORK EXPERIENCE:

State University of New York at Stony Brook, Stony Brook, NY

8/06 – present **Undergraduate Program Director**, Department of Mechanical Engineering

5/01 – present **Associate Professor**, Department of Mechanical Engineering

8/96 – 5/01 **Assistant Professor**, Department of Mechanical Engineering, SUNY–Stony Brook

Tokyo Institute of Technology, Tokyo, Japan

6/95 – 7/96 **JSPS Postdoctoral Fellow**, Department of Mechano-Aerospace Engineering,

HONORS AND AWARDS:

- Invited Keynote Speaker, NSF PECASE 2002 Recipients, Arlington, VA 2002
- Invited participant, NAS 12th Annual Frontiers of Science Conference 2000
- Invited speaker, Gordon Research Conference on Photothermal Phenomena 1999
- Excellence in Teaching Award, College of Engineering, Stony Brook 1998
- Invited participant, NAE 4th Annual Frontiers of Engineering Conference 1998
- NSF Presidential Early Career Award for Scientists and Engineers (PECASE) 1997
- Japanese Society for the Promotion of Science (JSPS) Postdoctoral Fellowship 1995–96
- Ernest and Marjory Starkman Fellowship, University of California, Berkeley 1991
- URC Summer Research Fellowship, University of Cincinnati 1991
- L.W. Scott Alter Scholarship, University of Cincinnati 1988
- General Motors Full Academic Scholarship, General Motors Corp. 1985–89
- Sigma Xi Honor Society 1991
- Tau Beta Pi National Honor Society 1988
- Pi Tau Sigma National Honor Society 1988

REVIEWER FOR: *ASME Journal of Heat Transfer, International Journal of Heat and Mass Transfer, ALAA Journal of Thermophysics and Heat Transfer, Journal of Microscale Thermal Phenomena, Sensors and Actuators, Numerical Heat Transfer, Optics Communications, Experimental Heat Transfer, Heat Transfer in Engineering, Journal of Micromechanics and Microengineering, NSF*

PROFESSIONAL HIGHLIGHTS

- American Society Mechanical Engineers (ASME), American Soc. Engineering Educ (ASEE).
- Presidential Early Career Award for Scientists and Engineers (1997)
- Excellence in Teaching Award - Stony Brook (1998)
- Sigma Xi, Tau Beta Pi, Pi Tau Sigma National Honor Society

INTERACTIONS AND COLLABORATIONS

- Industrial: Siemens-Westinghouse, Infinite Photonics, MesoScribe Technologies, LaserFare, Goodyear, Boeing, Northrop-Grumman, PlusUltra, Opto-Generic Devices
- University: Princeton, MIT, UCSB, FIU, CUNY, U. Virginia, RPI, U. Central Florida, Columbia
- National Laboratories: Brookhaven National Laboratories, Oak Ridge National Labs NASA-Glenn