



**Paul Cohen, Ph.D.**

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Paul Cohen received his B.S. in Industrial Engineering from the University of Rhode Island and both his M.S. and Ph.D. in Industrial and Systems Engineering from Ohio State University. He has also worked industrially at Battelle Memorial Institute and the Wanskuck Co. performing metalworking research. He served on the faculty at Penn State University prior to joining North Carolina State University in 2007.

His work has focused on multi-scale materials processing and development of computer aided manufacturing solutions. His more recent research has examined properties and processes at the nano-scale. He has served in leadership roles in industry-based university research centers, published over 100 papers and served in editorial positions for leading journals. He has won numerous awards from the Institute of Industrial Engineers, Society of Manufacturing Engineers, American Society for Engineering Education, and National Science Foundation. He is the chair-elect of the Council of Fellows of the Institute of Industrial Engineers.

Dr. Cohen's interests include multi-scale materials processing and tribology as well as manufacturing systems engineering.

#### **Selected Publications**

Lovell, M., Cohen, P. Shankar, P., Tribological Characterization of Machining at Very Small Contact Areas," Journal of Tribology, to appear 2010.

Samayoa, M., Haque, P., Cohen, PH, "Focused ion beam irradiation effects on nanoscale freestanding thin films" Journal of Micromechanics and Microengineering, 18 No 9 (September 2008).

Cohen, Paul H., "Friction between deformable surfaces in machining", IIE Annual Conference and Expo 2007 - Industrial Engineering's Critical Role in a Flat World - Conference Proceedings, 2007, p 1173-1178.

Marwanga, R., Voigt, R.C., Cohen, P.H., "Machinability of Gray Iron-Mechanics of Chip Formation," Int. Journal of Cast Metals Research, 11: 567-572, 1999.

Irani, S., Cavalier, T.M., Cohen, P.H., "Virtual Manufacturing Cells: Exploiting Layout Design and Intercell Flows for the Machine Sharing Problem," International Journal of Production Research, Vol. 31, No. 4, 1993, pp. 791-810.