

About Us

Undergraduate Programs

Graduate Programs

People

Research & Facilities

News & Events

Student Resources

About WPI

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Satya S. Shivkumar

Professor

Washburn Labs 227
508-831-5048 (Voice)
508-831-5178 (Fax)
shivkuma@wpi.edu



Related Information

- [Personal Homepage](#)
- [Teaching, Research, & Advising Interests](#)

Education

- 1978: B.S. Regional Engineering College
- 1980: M.S. Indian Institute of Technology
- 1987: M.S. Stevens Institute of Technology
- 1987: Ph.D. Stevens Institute of Technology

Research

- Biomedical Materials
- Polymer Lifetime and Degradation
- Materials Processing

Publications

- Johnson and S. Shivkumar, "Structure and Mechanical Properties of Filamentous green Algae", *Materials Science and Engineering B*, (1995) in press.
- Shivkumar, X. Yao and M. Makhlof "Polymer-Melt Interactions during Casting Formation in the lost foam Process", *Scripta Metallurgica et Materialia*, 33(1) (1995) 39-46.
- Wang and S. Shivkumar, "Sr Modification of Al Alloy Castings in the EPC Process", *J of Materials Science*, 30 (1995) 1584-1594.
- Mehta, S. Biederman and S. Shivkumar, "Thermal Degradation of Foamed Polystyrene", *J of Materials Science*, 30 (1995) 2944-2949.
- Brosnan and S. Shivkumar, "Elevated Temperature Tensile Properties and Fracture Behavior of A356 Castings", *AFS Transactions*, 103 (1995), in press.

[Extended Publications Listing](#)

Honors and Awards

- Scientific Merit Award, 1993, American Foundrymen's Society
- Numerous awards for projects

Scientific and Professional Societies/Memberships

- Society for Biomaterials
- Materials Research Society (MRS)
- Society for Plastics Engineers (SPE)
- Society for Plastics Industry (SPI)
- American Foundrymen's Society (AFS)

- American Society for Metals (ASM)
- American Chemical Society
- The Metals, Minerals and Materials Society (TMS)

Mechanical Engineering Department - Worcester Polytechnic Institute

100 Institute Road, Worcester, MA 01609-2280 | Phone: +1-508-831-5236 | Fax: +1-508-831-5680 | me@wpi.edu