

## Speaker Profile



### Contact Details

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**Name** Prashant N. Kumta

**Title** Professor

**Organization:** Carnegie Mellon University  
Department of Materials Science and Engineering, Biomedical Engineering

### \* Education

- University of Arizona: Ph.D. in Materials Science and Engineering (1990)
- University of Arizona: M.S. in Materials Science and Engineering (1987)
- Indian Institute of Technology: B.Tech (Honors) in Metallurgical Engineering (1984)

### \* Professional Positions

- Professor, Department of Materials Science and Engineering, Department of Biomedical Engineering, Carnegie Mellon University, 2005-
- Professor, Department of Materials Science and Engineering, Carnegie Mellon University, 1999-
- Associate Professor, Department of Materials Science and Engineering, Carnegie Mellon University, 1993-1998
- Assistant Professor, Department of Materials Science and Engineering, Carnegie Mellon University, 1990-1993

### \* Research field and interests

- Nanostructured materials for Energy Storage, Synthesis, Structure and Property Correlation
- Thin film technology; Structure and property relationship in thin film materials for Energy Storage
- Biomaterials; Synthesis, Structure and Bio-functional Property correlation for non-viral gene delivery and bio-mineralization applications

### \* Awards and Honors

- NSF Research Initiation Award, 1993
- US Air Force, Summer Faculty Fellow, 1993
- US Editor for Materials Science and Engineering, B; Solid-State Materials for Advanced Technology
- Listed in Who's Who in Science and Engineering (2000-)
- Listed in Who's Who in America and the World (2000-)

### \* Professional Societies

- Member of the American Ceramics Society; Organized several symposia on energy storage devices since 1995.
- Member of Materials Research Society
- Member of the Electrochemical Society

### \* Publications and Patents

- Author of more than 130 peer reviewed publications in optical materials, energy storage and biomaterials. Inventor of 4 patents.