

Dr. A. K. Balaji
Director, Sustainable Manufacturing Centre
University of Utah, USA



Professional Career

A. PROFESSIONAL PREPARATION

Education

Sardar Patel University, India Mechanical Engineering **BE**, 1993.
University of Kentucky, USA Mechanical Engineering **MS**, 1996.
University of Kentucky, USA Mechanical Engineering **PhD**, 2000.
University of Kentucky, USA Manufacturing **Post-doc**, 03-07/2000.

B. APPOINTMENTS

Currently Director for Sustainable Manufacturing Centre, University of Utah
July 2011 - September 2016 Associate Chair and Director of Graduate Studies, Mechanical Engineering, University of Utah
July 2007 – present Associate Professor, Mechanical Engineering, University of Utah
Jan 2009 – June 2009 Visiting Professor, Indian Institute of Science, Bangalore, India
July 2000 – June 2007 Assistant Professor, Mechanical Engineering, University of Utah

Patent

Balaji, A.K., W.T. Couldwell, C.L. Thomas, J.D. MacDonald, A. Lapalikar, B.C. Hansen, and B. Thakkar, *Integrated Surgical Cutting System*, US Patent **US 8,965,485 B2**, issued **Feb 24, 2015**.

Published more than 150 papers in various international journals and presented papers in various international conferences.

Service to Profession

- Associate Technical Editor, *Journal of Machining Science and Technology* (Taylor & Francis), January 2001-June 2014.
- Symposia Organization - Co-organizer (with Dr. Ranajit Ghosh, Air Products and Chemicals, Inc.), Symposium on 'Advances in Machining of Hard Materials,' Manufacturing Engineering Division (MED), 2003 ASME International Mechanical

Engineering Congress and Exposition (IMECE), November 16-21, 2003, Washington D.C.

- Editor and Publications Coordinator, *Proceedings of the CIRP International Workshop on Modeling of Machining Operations*, May 19, 1998, Atlanta, GA, USA.
- Member, Technical Committee on Manufacturing Processes, MED, ASME (2003-2010)
- Member, Technical Committee on Materials Processing, ASME (2011-present)