

**Hamid Johari**  
Professor and Chair  
Department of Mechanical Engineering  
Director, Energy Research Center  
California State University, Northridge  
Northridge, CA 91330

**(a) Professional Preparation**

<u>Undergraduate Institution</u>	<u>Major</u>	<u>Degree &amp; Year</u>
California Institute of Technology	Engineering & Applied Science	BS 1983
<u>Graduate Institution</u>	<u>Major</u>	<u>Degree &amp; Year</u>
University of Washington, Seattle	Aeronautics & Astronautics	MS 1985
University of Washington, Seattle	Aeronautics & Astronautics	PhD 1989
<u>Postdoctoral Institution</u>	<u>Area</u>	<u>Inclusive Dates</u>
University of Washington, Seattle September 1989	Aeronautics & Astronautics	March–

Research Interests: Thermal/Fluid/Energy Systems, Numerical and Experimental Techniques

**(b) Appointments**

Professor and Chair, Mechanical Engineering, CSUN present	August 2006 –
Professor & Associate Department Head, ME, WPI 2006	Sept. 2001 – July
Director of Aerospace Program, WPI	Jan. 1998 – Jan. 2000
U.S. Army Summer Faculty Research & Engineering Fellow	Summer 1999
Visiting Associate, Caltech (sabbatical) 1997	January – July
Associate Professor, Mechanical Engineering, WPI	July 1995 – June 2001
Assistant Professor, Mechanical Engineering, WPI June 1995	Oct. 1989 –

**(c) Publications**

Professor Johari has published 40 peer-refereed archival journal articles, 70 peer-reviewed conference proceedings papers, and has made numerous technical presentations in the thermal-fluid sciences.

Prof. Johari has sponsored 3 postdoctoral scholars, 5 PhD and 21 MS students through his career.

**(d) Synergistic Activities**

Over the last three years, a revision of the lower division Mechanical Engineering (ME) classes was implemented to improve the retention of minority students, and to enhance the students' professional preparations. During the same time period, the student population in the ME department increased by 59%, and the full-time equivalent by 30%. More importantly, the percentage of Latino/a students in the Department increased from less than 30% to over 37% in the last four years. Similar activities may be employed in the proposed project to increase the number of Hispanic students in ST