

**PERSONAL  
INFORMATION**

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**CURRENT POSITION**

**Professor** **Aug 2015 - Contd.**  
Department of Mechanical and Industrial Engineering  
College of Engineering, Majmaah University  
Majmaah 11952, Kingdom of Saudi Arabia

**TEACHING INTERESTS**

Heat Transfer  
Fluid Mechanics  
Fluid Dynamics  
Thermodynamics  
Mathematics (All courses)  
Numerical methods

**RESEARCH  
INTERESTS**

Mathematical Modeling  
Optimization  
Macro and micro-scale transport phenomena  
Convection heat transfer in nanofluids  
Porous media

**CAREER HIGHLIGHTS**

- 15+ years of teaching experience at undergraduate/graduate level.
- Developed unique mathematical models for the flow and heat transfer across different geometries.
- More than 250 papers in highly reputed peer-reviewed journals and international conferences.
- In-depth knowledge in the field of Thermal Engineering.
- Extensive working knowledge of various mathematical, graphical and numerical softwares like MAPLE.
- Supervised a team of 8-10 teaching staff members for more than 5 years.
- Participated as a team member in Curriculum design and development.
- Positive attitude towards maintaining a collaborative work environment.
- Capable of achieving good results in a multi-cultural work setting.

<b>EDUCATION</b>	<b>Doctorate Degree in Mechanical Engineering</b>	<b>2004</b>
	Department of Mechanical Engineering University of Waterloo, Waterloo, <b>Canada</b>	
	<b>Master's Degree in Mechanical Engineering</b>	<b>1997</b>
	Department of Mechanical Engineering Stevens Institute of Technology, NJ, <b>USA</b>	
	<b>Master's Degree in Applied Mathematics</b>	<b>1988</b>
	Department of Mathematics, Karachi University, Karachi, <b>Pakistan</b>	
	<b>Bachelor's Degree in Mechanical Engineering</b>	<b>1982</b>
	Department of Mechanical Engineering NED University of Engineering and Technology, Karachi, <b>Pakistan</b>	
	<b>Bachelor's Degree in Science</b>	<b>1975</b>
	Karachi University, Karachi, Pakistan	
<b>TEACHING EXPERIENCE</b>	<b>Professor</b>	<b>May 2009 - November 2013</b> (On Leave)
	Department of Engineering Sciences National University of Sciences and Technology, Karachi, Pakistan	
	<b>Professor</b>	<b>June 2007 - May 2009</b>
	Department of Engineering Sciences National University of Sciences and Technology, Karachi, Pakistan	
	<b>Associate Professor</b>	<b>June 2006 - June 2007</b>
	Department of Mathematics COMSATS Institute of Information Technology, Abbottabad Pakistan	
	<b>Postdoctoral Fellow</b>	<b>2004 - 2006</b>
	Department of Mechanical Engineering, University of Waterloo, Canada	
	<b>Teaching Assistant</b>	<b>1996 - 2000</b>
	Department of Mechanical Engineering, Stevens Institute of Technology, USA Department of Mechanical Engineering, University of Waterloo, Canada	
<b>Assistant Professor (Department Head)</b>	<b>1988-1994</b>	
Refrigeration and Air-conditioning Technology Government College of Technology, Karachi, Pakistan.		
<b>Senior Instructor (Department Head)</b>	<b>1982-1988</b>	
Department of Mechanical Engineering, Government College of Technology, Karachi, Pakistan.		

**RESEARCH  
EXPERIENCE**

**Research Associate Professor** Dec 2013-Aug 2015  
Department of Mechanical Engineering  
University of Waterloo, Waterloo, Canada

**Professor** May 2009 - November 2013  
Department of Engineering Sciences  
National University of Sciences and Technology, Pakistan

**Associate Professor** June 2007 - May 2009  
Department of Engineering Sciences  
National University of Sciences and Technology, Pakistan

**Associate Professor** June 2006 - June 2007  
Department of Mathematics  
COMSATS Institute of Information Technology, Pakistan

**Postdoctoral Fellow** 2004 - 2006  
Department of Mechanical Engineering,  
University of Waterloo, Canada

**Research Assistant** 2000- 2004  
Department of Mechanical Engineering,  
University of Waterloo, Canada

**SCHOLARSHIPS  
AND AWARDS**

**Best Graduate Student Paper,**  
CMAP-SMTA Student Chapter, 2004

**Research Assistantship** 2000-2004  
University of Waterloo, Waterloo Canada

**Graduate Scholarship** 2002  
University of Waterloo, Waterloo Canada

**Research Assistantship** 1996-1999  
Stevens Institute of Technology, NJ, USA

**PROFESSIONAL  
AFFILIATIONS**

American Society of Mechanical Engineers (ASME)  
American Institute of Aeronautics and Astronautics (AIAA)  
Canadian Society for Mechanical Engineering (CSME)  
Pakistan Engineering Council (PEC)

**GUEST EDITOR**

Nonlinear Fluid Flow and Heat Transfer (Hindawi)  
New Developments in Fluid Mechanics and Its Engineering  
Applications (Hindawi)

**REFERENCES**

**Prof. Milan M. Yovanovich**

Distinguished Professor Emeritus  
Department of Mechanical Engineering  
University of Waterloo, Waterloo, Canada  
Tel: (519) 888-4567 ext 3588  
Fax: (519) 746- 9141  
E-mail: mmyov@uwaterloo.ca

**A. Aziz, Ph.D., Life Fellow ASME**

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School of Engineering and Applied Science  
Gonzaga University, Spokane, WA 99258 USA  
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**Abdul-Rahim Ahmad**

Associate Professor  
College of Business  
Umm Al-Qura University  
Makkah Almukarramah  
Saudi Arabia  
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