

CV of Dr Sangarappillai Sivaloganathan

1. Name and Academic Rank:
Sangarappillai Sivaloganathan
Associate Professor –full time
2. Degrees with fields, institution and date:
Ph.D. Mechanical Engineering, City University, London, 1991
M. Sc. Production Technology and Production Management University of Aston, 1982
B.S. Mechanical Engineering, University of Srilanka, Srilanka, 1976
3. Years of service on UAEU, Mechanical Engineering Department.
Years of service at UAEU: 1-2 Years
4. Other Related Experiences-Teaching, Industrial, etc:
 1. Associate Professor, Department of Mechanical Engineering, UAEU, 2011-Present
 2. Senior Lecturer, School of Engineering, Brunel University, London UK 1995-2011
 3. Senior Research Assistant, SERC Engineering Design Centre, City University London – 1989 – 1995
 4. Commissioning Engineer and Operations Manager, Lanka Cement Ltd, Srilanka 1982-1985
 5. Founding Course Director, MSc in Advanced Engineering Design, Brunel University (2005 – 2011)
 6. Convening Chair for two International Conferences in Engineering Design at Brunel University, EDC 1998 and EDC 2000..
 7. Edited the Proceedings of EDC 98 and EDC 2000
 8. Supervised 9 PhD Students to successful completion at Brunel University
 - i. Dr Tamer Shahin Completed in 1998
 - ii. Dr Peter Andrews Completed in 2000
 - iii. Dr Elanchelvy Sivakumar (Mrs) Completed in 2001
 - iv. Dr Neil Calder Completed in 2002
 - v. Dr Indika Perera (Ms) Completed in 2003
 - vi. Dr Sivapathasundaram Srikumaran Completed in 2005
 - vii. Dr Martin Cross Completed in 2008
 - viii. Dr Eshwar Kumar Completed in 2010
 - ix. Dr Seyd Omid Mobasserri Completed in 2012
 - x. Ms Neha Jacob Current student in UAEU

Research Interests: Design Methodology, CAE and Production Management

5. Patents
6. State(s) in which registered: None
7. Principal publication of the last five years: (Total 10, Journal and peer reviewed conference proceeding articles)

Selected Publications:

1. Cross M., and Sivaloganathan S., Specialist Knowledge Identification, Classification and Usage in Developing Company Specific Design Process, Proceedings of the Institution of Mechanical Engineers, Part B, The Journal of Engineering Manufacture, Volume 221 September 2007 pp 1285 – 1298.

2. Abraham J., Sivaloganathan S., and Rees D.A. The Telescopic Cantilever Beam Part 1: Deflection Analysis, Engineering Integrity, Vol 30 pp6-15, February 2011.
3. Abraham J., Sivaloganathan S., and Rees D.A. Telescopic Cantilever Beam Part 2: Stress Distribution, Engineering Integrity Vol 30 September 2011
4. Slazzar J., Mobasser O., and Sivaloganathan S. Equivalent Rigidity Method for Estimating the Natural Frequency of Telescopic Cantilever Beams, International Journal of Computers in Technology, Vol 44 No 3, 2012 pp226-234.
5. Sangarappillai Sivaloganathan, Aisha Abdulrahman, Shaikha ALDousari, Abeer ALShamsi and Aysha ALAmeri, Design of Next Generation Products by Novice Designers Using Function Based Design Interpretation, 4th International Conference on Research in Design, ICoRD'13, IIT Madras, Chennai, India, January 2013.
6. Sangarappillai Sivaloganathan, Aisha Abdulrahman, Shaikha ALDousari, Abeer ALShamsi and Aysha ALAmeri, Whether to Cast, Weld or Bolt – Learning Design for Manufacturing through a Graduation Project, ASEE Annual Conference, Atlanta, Georgia USA June 2013.
7. S. Mobasser (University of Brunel, GBR); S. Sivaloganathan, T.Shahin (United Arab Emirates University, UAE) An Adaptation of Quality Function Deployment for Planning Structural Analysis in Product Design Environment, NAFEMS World Congress 2013 in June 13.
8. Sangarappillai Sivaloganathan and Ali Hassan Marzouqi, Innovative Teaching of Product Design and Development in a Master of Engineering Management Program ASEE Annual Conference, Indianapolis, Indiana USA June 2014.
9. Sangarappillai Sivaloganathan and Rajesh Ganithi, Effectual Thinking: A systematic Approach for Teaching Entrepreneurship as Part of a Design and Manufacture Lab. ASEE Annual Conference, Indianapolis, Indiana USA June 2014.
8. Scientific and professional societies: Fellow of the Institution of Mechanical Engineers, London, FIMechE
9. Honors and awards (recent):
 Recipient of a College of Engineering Inter-Disciplinary Grant for 120,000 AED.in 2012.
 Recipient of the Best Paper Award for item no 8 in the list above.
10. Institutional and professional services in the last five years:
 Planned and Implemented the layout of the Engineering Workshops in Labs E7 – 16 and 17.
 Program Director for the MEM Program September 2011 to date
 Wrote Down the proposal to start the Delivery of the MEM Program in Abu Dhabi
 Founding Course Director for the Advanced Engineering Design MSc Program at Brunel University (2005 -2011)
11. Percentage of time available for research and scholarly activities: 30%
12. Percentage of time committed to the program: 70%