

**MOHD SAIFUL BAHARI BIN SHAARI**  
(MyRA IMPACT ACTIVITIES)



Name :	Mohd Saiful Bahari Bin Shaari
Faculty :	Faculty of Mechanical Engineering, UiTM
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Grade of Position (VK7/DM54/DM52 etc)	DM45
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**BASIC PROFILE**

Lecturer DM45/DM46/DM51/DM52/DM53/DM54

Appointments	Date/Year of Appointment
Lecturer DM45/DM46	<b>07 June 2012</b>
Year of Birth :	<b>1983</b>

**NATIONAL LEVEL RESEARCH COMMITTEE**

*(Only those within last five years)*

	Name of Research Committee	Hosting Secretariat	Year Involved
1			

**POSTGRADUATE SUPERVISION**

**MASTER (RESEARCH) SUPERVISION COMPLETED (Includes Co-supervision)**

	Students Name	Institutions	Year Enrolled	Year End
1	Norheliena Binti Aziz	UiTM	2011	2013

**ON-GOING MASTER (RESEARCH) SUPERVISION (Includes Co-supervision)**

	Students Name	Institutions	Year Enrolled	Year End
1	Mohammad Shamil Jafarullah	UiTM	2014	2016
2	Nur' Amirah Binti Busu	UiTM	2014	2016
3				

**RESEARCH FUNDINGS****NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others) (Last Five Years)**

	Research Project	Source	Total Funds	Begin Year	End Year
1	<b>Co-Researcher</b> , A New Architecture based on Cognitive—Reflective—Motor Loops for Self-Optimizing Mechatronic Function Modules. Grant number: 600-RMI/ST/FRGS 5/3/Fst (256/2010)	FRGS	RM 84,000	2010	2012
2	<b>PRINCIPAL</b> -Characterization Of Weldment Formation Quality In Friction Stir Process. 600-RMI/ERGS 5/3 (16/2013)	ERGS	RM 103,000	2013	2015

**INTERNATIONAL RESEARCH FUNDING INCLUDING CONTRACT RESEARCH (Last Five Years)**

	Research Project	Source	Total Funds	Begin Year	End Year

**Dana Kecemerlangan UiTM (Last Five Years)**

	Research Project	Total Funds	Begin Year	End Year
1	<b>Principal</b> - Optimized Humanoid Biped Trajectory Generation by Simplified Kinematic Formulations. (600-RMI/DANA 5/3/RIF(749/2012)	RM 32,000.00	2012	2014

## PUBLICATIONS (Only those indexed in IEEE/ISI/SCOPUS)

### PUBLICATIONS FOR 2015

- [1] Low Cheng Yee, **Mohd Saiful Bahari Bin Shaari**, Nur Aamirah Busu, Mohammad Shamil Jaffarullah, Armansyah, Ahmed Jaffar, "System Integration Of A Friction Stir Welding Machine With A Customized Traverse Controlled Table", Jurnal Teknologi (sciences & Engineering), Universiti Teknologi Malaysia, pageno : 83-87, vol : 76, issues : 0

### PUBLICATIONS FOR 2014

- [1] Armansyah, Indra Putra Almanar (Dr), **M. S Bahari**, M. Shamil Jaffarullah, Nur' Amirah Busu, M. Arif Fadzleen Zainal Abidin, M. Amlie A. Kasim "Temperature Distribution In Friction Stir Welding Using Finite Element Method" International Conference on Mechanical Engineering Design and Analysis, Osak, Japan Oct 12-13, 2014

### PUBLICATIONS FOR 2013

- [1] Ahmed Jaffar, Low Cheng Yee, Roseleena Jaafar, **M.S Bahari**, Armansyah "Development Of Uitm Robotic Prosthetic Hand" WASET ICEME 2013 International Conference on Electrical and Mechatronics Engineering, Dubai UAE, Jan 30-31, 2013

### PUBLICATIONS FOR 2012

- [1] A. Ahmad, T. Koch, A. Jaffar, **M.S. Bahari**, C. Low, "Resistivity Characteristics of Piezoresistive Based Transduction Tactile Sensing Using Pressure Sensitive Conductive Rubber Sheet", Joint Symposium on System-Integrated Intelligence, Hannover, Germany, June 27-29, 2012
- [2] A.A. Ahmad, T. Koch, A. Jaffar, **M.S. Bahari**, C. Low, "Resistivity Characteristics of Single Miniature Tactile Sensing Element Based on Pressure Sensitive Conductive Rubber Sheet", IEEE 8<sup>TH</sup> International Colloquium on Signal Processing & Its Applications (CSPA 2012), Malacca, Malaysia, March 23-25, 2012
- [3] **M.S. Bahari**, A. Jaffar, C. Low, R. Jaafar, K. Roese, H. Yussof, "Design and Development of Multifingered Prosthetic Hand", International Journal of Social Robotics, Springer, DOI: 10.1007/s12369-011-0133-8

### PUBLICATIONS FOR 2011

- [1] A. Jaffar, **M.S. Bahari**, C. Low, R. Jaafar, "Design and Control of Multifingered Anthropomorphic Robotic Hand", International Journal of Mechanical and Mechatronics Engineering, Volume 11, Issue 4, 2011
- [2] Ismail, L., Shamsuddin, S., Yussof, H., Hashim, H., **M.S. Bahari**, Jaafar, A., Zahari, I. "[Face Detection Technique of Humanoid Robot Nao For Application In Robotic Assistive Therapy](#)". *Proceedings - 2011 IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2011*, art. no. 6190580, pp. 517-521
- [3] Shamsuddin, S., Ismail, L.I., Yussof, H., Zahari, N.I., **M.S. Bahari**, Hashim, H., Jaffar, A. "Humanoid Robot NAO: Review Of Control And Motion Exploration" *Proceedings - 2011 IEEE International Conference on Control System, Computing and Engineering, ICCSCE 2011*, art. no. 6190579, pp. 511-516