

DR. NURIZZATUL ATIKHA B. RAHMAT

PERSONAL DETAILS	
Senior Lecturer, Faculty of Mechanical Engineering (FKM), Universiti Malaysia Pahang (UMP), 26600 Pekan, Pahang, MALAYSIA	
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Contact	(+60)9-424 6244 / (+60)16-702 1405
Languages Known	Excellent in: Malay, English and Japanese



ACADEMIC CREDENTIALS	
April 2013-December 2017	
Institution	Kyushu University, Kyushu, Japan
Discipline of Study	Doctor of Philosophy in Engineering: Interdisciplinary Graduate School of Engineering Sciences, IGSES
Major	Wind Engineering, Energy and Environmental Engineering Department
Research Title	Experimental Study on Aerodynamic Features of Boundary Layer Developed past Spire over Wall Surfaces
Scholarship	Kementerian Pendidikan Tinggi (KPT) Malaysia.
April 2011-March 2013	
Institution	Okayama University of Science, Okayama, Japan
Discipline of Study	Master of Engineering: Graduate School of Engineering
Major	Mechanical Systems Engineering, Measurement and Control System Department
Research Title	Prediction of Maximum Strain and Average Strain Rate in SHPB Specimens Based on Energy Analysis
Scholarship	Kementerian Pendidikan Tinggi (KPT) Malaysia.
April 2009-March 2011	
Institution	Okayama University of Science, Okayama, Japan
Discipline of Study	Bachelor of Engineering: Mechanical System Engineering
Major	Mechanical Systems Engineering, Measurement and Control System Department
Research Title	Vibrating Reed Method for Determining the Viscoelastic Properties of Paperboard
Scholarship	Yayasan Pelajaran Mara (YPM) Malaysia.
May 2006-Feb 2009	
Institution	Japanese Associate Degree Program (JAD Program)
Discipline of Study	Diploma of Engineering
Major	Mechanical Engineering
Scholarship	Yayasan Pelajaran Mara (YPM) Malaysia
January 2004-December 2005	
Institution	Mara Junior Science College (MRSM), Muar, Malaysia
Major	Pure Science

RESEARCH EXPERIENCE

Research Interest

Wind Engineering, Urban Environment, Building Environmental Engineering, Urban Climatology, Wind Tunnel Studies, CFD Fluid Flow.

Research Thesis/Publications

1. *Experimental Study on Aerodynamic Features of Boundary Layer Developed past Spikes over Wall Surfaces*, Doctorate Degree Thesis
2. **Nurizzatul Atikha Rahmat**, Hagishima Aya, Ikegaya Naoki, and Tanimoto Jun, *Experimental Study on Effect of Spikes on the Lateral Nonuniformity of Mean Flow in a Wind Tunnel*, Evergreen Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 5, Issue 1 (2017)
3. **Nurizzatul Atikha Rahmat**, Hagishima Aya, Ikegaya Naoki, and Tanimoto Jun, *An Experimental Study on Aerodynamic Interaction between Boundary Layer generated by a Smooth and Rough Wall and a Wake Behind a Spire*, Interdisciplinary Graduate School of Engineering Sciences Report, Vol. 37, No. 2, pp. 19-26 (2016)
4. **Nurizzatul Atikha Rahmat**, Hagishima Aya, Ikegaya Naoki, and Tanimoto Jun, *Experimental Study on Aerodynamic Interaction Between Boundary Layer Generated by a Smooth and Rough Wall and a Wake Behind a Spire*, Proceedings paper of the 17th Cross Straits Symposium on Energy and Environmental Science and Technology, pp. 53-54 (2015).
5. Ikegaya Naoki, **Nurizzatul Atikha**, Hagishima Aya, and Tanimoto Jun, 都市境界層風洞内におけるスパイヤー後流と乱流境界層気流の干渉に関する基礎的検討, Proceedings paper of The Japan Society of Fluid Mechanics (JSFM), pp. 1-4 (2014).
6. *Prediction of Maximum Strain and Strain Rate in SHPB Specimens based on Energy Analysis*, Master Degree Thesis (2013).
7. **Rahmat Nurizzatul Atikha**, Takashi Yokoyama and Nakai Kenji, *Prediction of Maximum Strain and Strain Rate in SHPB Specimens based on Energy Analysis*, 2012 JSEM Annual Conference on Experimental Mechanics (2012).
8. *Vibrating Reed Method for Determining the Viscoelastic Properties of Paperboard*, Bachelor Degree Thesis.

International Conference

1. Oral presentation in an International Conference CSS-EEST at Fukuoka, Japan (2016).
2. Oral presentation in a 9th International Conference on Urban Climate held at Toulouse, France (2015).
3. Oral presentation in Annual Conference of The Japan Society of Fluid Mechanics (JSFM), Japan (2014).
3. Oral presentation in Joint International Conference of the 2nd International Conference on Experimental Mechanics, The 11th Asian Conference on Experimental Mechanics (ISEM-ACEM-SEM-7th ISEM 2012) at Taiwan (2013).
4. Oral Presentation in 2012 Japanese Society of Materials Science (JSMS) Annual Conference at Tokyo, Japan (2012).

WORKING EXPERIENCE

August 2018-Present

Institution	Universiti Malaysia Pahang (UMP)
Position	Senior Lecturer (Faculty of Mechanical Engineering)

August 2017-July 2018	
Company	MIKHA ACADEMY Ent.
Position	Managing Director/Trainer/Interpreter
December 2016-July 2017	
Company	Servicesource International Malaysia (SSI)
Position	Senior Executive (Japanese Speaker role)

APPOINTMENT	
Paper reviewer for Journal of Mechanical Engineering and Sciences, JMES (2018)	

TEACHING/ACADEMIC	
Sem 1 2018/2019	DMM 2543 – Thermodynamics BMM 1511 – Engineering Mechanics Lab I&II

PROFESSIONAL QUALIFICATION/MEMBERSHIP/AFFILIATION	
Graduate Engineer, Board of Engineer (BEM), Malaysia	
Student member, The Japan Society of Mechanical Engineering (JSME)	

AWARDS/ACHIEVEMENTS	
Awarded scholarship from Yayasan Pelajaran Mara (YPM) to pursue Bachelor Degree in Mechanical Systems Engineering at Okayama University of Science, Okayama, Japan.	
Awarded SLAB Fellowship from Ministry of Higher Education and UMP to pursue Master Degree and Doctor of Philosophy (PhD) in Mechanical/Wind Engineering, at Kyushu University, Kyushu, Japan.	
Vice President of Malaysian Associates in Kyushu, Japan (2014/15)	
Vice President of Aspiring Malaysian Rijal, AMIR for East Japan, Japan (2012/13)	
Vice President of Malaysian Associates in Okayama, Japan (2011/12)	
President of Okayama Muslimah, Okayama, Japan (2011/12)	