MUHAMMAD AWIS QURNI BIN NOR AZIZ

Looking for an excellent opportunity to work as engineer with my excellent skills and mechanical engineering background in research and devolpment that will help me to give better service to your company.

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3/20, Taman Bukit Indah,
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Selangor, Malaysia

Personal Particulars

Age	: 25	**Marital Status**	: Single
Gender	: Male	**Nationality**	: Malaysian
Date of Birthday	: 18th May 1985	**IC Number**	: 850518-01-6471

Educational Background

April 2009-March 2011	:	**Gunma University** Master of Mechanical System Engineering (Major in Mechatronic & Electromagnetic)
April 2005-March 2009	:	**Gunma University** Bachelor of Mechanical System Engineering (Major in Mechatronic & Control system)
May 2003-February 2005	:	**Institut Bahasa Teikyo** Preparatory Course for Studies to Japan
February 2001-Desember 2002	:	**MARA Junior Science College Beseri, Perlis** Malaysian Certificate of Education (8A,1B)
January 1998-February 2001	:	**SMK Taman Kosas, Ampang** Lower Secondary Assessment (7A,1B)

Final Year Project

Analysis and experiment of cylindrical magnetic gear

Magnetic gears can transmit torque without any contact but still are low in torque transmission. The previous research has developed cylindrical type of magnetic gear and done several performances test such as the slip torque as static property and step-out torque as dynamic property. However, the torque analysis and investigation of maximum torque have not been done yet. In this study, the torque analysis of cylindrical magnetic gears is proposed. Since the surface of gear model is too complex, the simple simulation model is proposed with single magnet and followed by three magnets model. First, by using numerical calculation of rectangular wire current loop method on surface of permanent magnet, three-dimensional magnetic analysis of magnetic flux density was done. Then, it was followed by numerical calculation of adhesive force and torque. All these analysis results were compared and confirmed by measurement and experimental of cylindrical magnetic gear prototype.

Working Experience

1. **Company Name** : SUN WAVE CORPORATION
   Position Title : Intern
   Date Joined : 20th August 2007 **Date Left** : 31th August 2007
   Work Description : Job includes learning the manufacturing process of stainless steel system kitchen and the ways to minimize the defective products.

2. **Company Name** : ARAI SHO-UN CORPORATION
   Position Title : Part-time job
   Date Joined : February 2008 **Date Left** : July 2008
   Work Description Job includes handling machine for immediate action to troubleshoot and rectify machine abnormality.

Languages

	Proficiency (0=Poor - 10=Excellent)	
Language	**Spoken**	**Written**
Bahasa Malayu	10	10
English	7	7
Japanese	8	8

Additional Info

Education Achievement

(i) Passed Japanese Language Proficiency Test(JLPT) with second level (December 2004)
(ii) Passed Test of English for as Foreign Language(TOEFL) with score 180 (in September 2004)

Others/Strengths

(i) Excellent knowledge in computer applications such Microsoft Office, CAD/CAM's software like Pro/Engineer and also C/C++ programming.
(ii) Able to converse in Malay, English and Japanese Language fluently.
(iii) Good in handling presentation and manipulating visual aid for presentation or other purposes.
(iv) Experienced in building and maintaining a server or websites.
(v) Willing to work in team environment and diligently to gain knowledge and experiences.

Extracurricular Activities

(i) Participated Asia-Pacific Symposium on Applied Electromagnetics and Mechanics conference (APSAEM2010) in Kuala Lumpur, Malaysia.
(ii) Participated Magnetodynamics conference (MAGDA2009) in Tokyo, Japan.
(iii) Committee member of Malaysian Student Association in Gunma(2006-2007).
(iv) Entered All Hokuriku Areas Soccer Tournament for Malaysian students in Japan and won 3rd place in Niigata.
(v) Involved in University Festival in Kiryu and Maebashi Campus (2007)
(vi) Provided Computer technical support for International Students in Gunma University
(vii) Participant of the Malaysian National Chemistry Quiz (2002)
(viii) Participant of National Physic Competition (2002)

Willing to Travel	: Moderate (75% to 100%)
Willing to Relocate	: Will Consider
Possess Own Transport	: Yes
Expected Monthly Salary	: Between range RM2800 and RM3500 (Negotiable)
Availability	: Starting from May 2011

References

Name	: Associate Prof. Yoshinori Ando
Address	: Dept. of Mechanical System Engineering, Faculty of Engineering, Gunma University, Kiryu-shi, Tenjin-cho, 1-5-1, 376-8515,Gunma-Ken Japan
Telephone No	: (+81)277-30-1566
E-mail	: ando@gunma-u.ac.jp
Position	: Associate Professor
Company	: Gunma University, Japan
Relationship	: Supervisor