CURRICULUM VITAE

Dr. Nabilah bt. Abu Bakar
Department of Civil Engineering,
Faculty of Engineering,
Universiti Putra Malaysia.
43400 UPM Serdang, Selangor

T: 03-8946 6381
F: 03-8656 7129

Education

1. PhD Structural Engineering, 2015, National University of Singapore, Singapore
2. MSc Structural Engineering, 2008, Purdue University, USA
3. BEng (Hons) Civil Engineering, 2005, Universiti Teknologi Petronas, Malaysia

Areas of Interest

1. Seismic Hazard Analysis
2. Finite Element Analysis
3. Structural Analysis and Testing

ProfessionalQualification/Membership/Affiliation

1. Member, Board of Engineers Malaysia (BEM)
2. Member, Institution of Engineers Malaysia (IEM)

Appointments

Position	Duration
1. Senior Lecturer, Civil Engineering Department, Faculty of Eng., UPM	2015 to date
2. Tutor, Civil Engineering Department, Faculty of Engineering, UPM	2010 to 2015

Publications

Journals

Nabilah A.B. and Balendra T. (2012) Seismic Hazard Analysis for Kuala Lumpur, Malaysia. Journal of Earthquake Engineering, 16, pp. 1076-1094.

Conference Proceedings (30 recent Conference Proceedings)

1. Koh C.G., **Nabilah A.B.**, Tay C.G. and Balendra T. (2015). Consideration of Sumatra Earthquakes for Seismic Design in Singapore. 2-Day International Seminar and Workshop on Presentation and Reviewing of the Draft Malaysian N.A. for EC8. 9-10th February 2015, Kuala Lumpur, Malaysia.
2. **Nabilah A.B.** and Koh C.G. (2013). Non-linear Strut and Tie Model for Short and Intermediate Length Link Beams. The 26th KKHTCNN Symposium on Civil Engineering. November 18-20th, 2013, Singapore.
3. **Bakar N.**, Wahab M.M., Kamarudin N. and Vallyutham K. (2010). Comparative Study on Behavior of Self Compacting Concrete under Static Load at Different Loading Rate. International Conference on Sustainable Building & Infrastructure 2010.
4. **Bakar N.**, Fa L.W., Saiedi S. and Shafiq N. (2009). Parametric Study of the Impacts of Service Core in High Rise Building, AWAM 2009.
5. Saiedi S. and **Bakar, N.** (2009), Statistical River Flood Estimation for the Wettest State of Peninsular Malaysia, ICWR 2009.
6. Behnam P., **Bakar N.**, Choon G. and Saiedi S. (2008). Response of a Tall Building to Wind Loadings; A Malaysian Case Study, CONCET 2008

Research Grants

No	Project Title	Amount (RM)	Year	Source
1.	Mooring Line Responses for Semi-Submersible type Floating Platforms in Deepwater	20,000	2009-2010	STIRF, UTP
2.	Seismic Performance of Lightly Reinforced Low Rise Concrete Building Subjected to a Far Field Earthquakes	20,000	2008-2009	STIRF, UTP

Awards/Recognition(Current)

No	Award Type	Title	Award Authority	Level	Year
1.	Scholarship	Research Scholarship for PhD studies	National University of Singapore	International	2010

Professional Services/Consultation

No	Year	Title	Authority	Amount (RM)
1.	2006	Pergau Dam Project, Kelantan, Malaysia - Conducting physical modeling of eroded re-regulating pond located at the downstream section of the dam	TNB	345,000