Personal Information

Full name: REEM ALSEHNAWI

Place& Date of Birth: Aljunaina, 5th of April 1982

Marital Status: Married

Nationality: Syrian

Mobile: +963-992749470

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Summary,

Good experienced in Earthquake engineering and structural engineering.

Accumulated 3 years of experience in analysis and design of reinforced concrete and steel structures according to American standards and British Standards.

Good knowledge in nonlinear dynamics time history analysis and modal analysis.

Strong research background in seismic isolation of bridges and structural health monitoring of bridges relies on vibration testing.

Academic Degrees,

PhD, 24th March 2016 Utsunomiya University (Japan)/, Faculty of Architecture and Civil Engineering, Functional Materials Design course/ Structural Engineering Laboratory. Thesis candidate title: "*Experimental Study on Dynamic Characteristics Dependency of Bridge Structures on Vibration Amplitude*".

Master of Engineering, 24th March 2012 Utsunomiya University(Japan), Faculty of Architecture and Civil Engineering, Advanced Interdisciplinary Sci./, Structural Engineering Laboratory. Thesis candidate title: "*Comparative Study on seismic Performance of Viaduct Bridge System with Different Types of Superstructure-Pier Connections*".

Bachelor of Civil Engineering, 2006 Damascus University, Faculty of Civil Engineering, Department of Structural Engineering. *Doing Re-design of Military Museum as a graduation project for Bachelor's degree.*

Current and Previous Positions,

Lecturer

Damascus University / Higher Institute of Earthquake Studies and Researches (HIERS): April 2016-Present

Academic Staff (Full time) - Teaching postgraduate civil engineering students, co.Supervising Master and PhD students conducting researches.

Arab International University (AIU) / Faculty of Civil Engineering:
September 2018-Present
Lecturer (Part time) - Teaching undergraduate civil engineering students, supervising student work projects.

Research Assistant
Utsunomiya University, Japan
October 2013- March 2016
Doing Laboratory experiments on reinforced concrete and steel specimens.

Teacher Assistant
Higher Institute of Earthquake Studies & Research
August 2008 – September 2009 (1 year 1 month) Damascus University

Structural Engineer
Syrian Engineering Consultancy /Dar Almuhandeseen Alesteshareen/
2006 – July 2008 (2 years) Swaida, Syria
Doing the structural design and supervising many buildings (villas, high-rise buildings, and houses) in swaida city.

Doing the structural design a school for (Orphans House - Dar Aytam Saied Koraysh) in damascus.

Doing the structural design Walid Hatem Hotel in Sweida City.

Doing the structural design of a project of Electricity Company with a group of engineers.

Familiar with the use of computer software applications for Civil Engineering such as Fortran Programming, Matlab, AutoCAD, SAP, SAFE, and ETABS.

Present Responsibilities,

Teaching postgraduate students at (HIESR) and undergraduate at Arab International University (AIU) .

Co.Supervising PhD candidates (one in process).

Co.Supervising Ms students (two in process).

Honors & Awards,

Transcendence certificate in civil engineering faculty –Damascus University, 2005.

Graduate certificate (3rd in order) in civil engineering faculty Rating very good and general average 78.44%, July 2007.

Syrian Government Scholarship for Professor Assistant, Damascus University, Syria, August 2008 – June 2015, 200000 per month.

Publications,

Nakajima A., Maruyama S., AlSehnawi R., Takeda T., Nguyen M H., Fujikura S.: Reproduction analysis of vibration behavior of pier model having amplitude dependency damping. Journal of Japan Society of Civil Engineers, Ser. A1 (Structural Engineering & Earthquake Engineering (SE/EE), Vol.63A, 2017.3. (in Japanese)

Al Sehnawi R., Nakajima A., Takeshima R., and Al Sadeq H.: Experimental investigation of amplitude dependency of dynamic characteristics inelastic and inelastic stages of reinforced concrete pier model, Journal of Civil Structural Health Monitoring, Springer, Volume 4, Issue 4, pp.289-301, 2014.11.

Takeshima R., Al Sehnawi R., Nakajima A., Nakamura S., Yokokawa H. Study on change of vibration property of bridge structure with RC Pier in different vibration level. Japan Soc Civ Eng, Ser. A1 (Structural engineering and earthquake engineering (SE/EE)), JSCE A1 (structural and earthquake engineering), Vol.70, No.4, pp.I_130-139, 2014.7. (in Japanese)

Saito T., Nakajima A., Takeshima R., and Al Sehnawi R.: Experimental investigation on vibrational property change of bridge model under various input leve. JSCE, Structural Engineering Papers, Vol.59A, pp.261-271, 2013.3. (in Japanese)

Conference Presentations,

[Oral Presentation at Symposiums and International Conferences]

1. Al Sehnawi R. and Nakajima A.: Comparative study on seismic performance of viaduct bridge system with seismic isolation bearing and with hybrid rigid frame connections, Proceedings of The International Workshop on Advances in Seismic Experiments and Computations, Nagoya, Japan, pp.187-199, 2012.3.

2. Al Sehnawi R., Nakajima A., Sakai R.: Analytical investigation of seismic performance of viaduct bridge system with lead rubber bearings and another with sliding bearings, 67th Annual Meeting of JSCE, Nagoya, Japan, to be held on September 5-7, 2012.

3. Al Sehnawi R., Nakajima A., and Al Sadeq H.: Analytical investigation of seismic performance of viaduct bridge system with seismic isolation bearing and another with hybrid rigid frame connections. Proceedings of the 1st International Conference on Sustainable Civil Engineering Structures and Construction Materials, in Yogyakarta, Indonesia, CD-ROM, 2012.9.

4. Al Sehnawi R., Nakajima A., Takeshima R. , Al Sadeq H., Nakamura S., and Yokokawa H.: Experimental studies on vibration properties changes of bridge with RC piers under different vibration level, 15th International Summer Symposium of 68th Annual Meeting of Japan society of civil Engineering JSCE, Chiba, Japan, pp. 15-16, September 4-6, 2013.

5. Al Sehnawi, R., Nakajima, A., Takeshima, R., Al Sadeq, H. and Saito, K.:Experimental investigation on dynamic characteristics of RC bridge model under different vibration levels, The Thirteenth East Asia-Pacific Conference on Structural Engineering and Construction, in Sapporo, Japan, CD-ROM, 2013.9. 2013.

6. Al Sehnawi, R., Nakajima, A., Takeshima, R. and Al Sadeq, H.:Vibration amplitude-dependent natural frequency and damping ratio of repaired pier model, 7th European Workshop on Structural Health Monitoring, EWSHM 2014, pp.1639-1646, in Nantes, France, 2014.7.