

- [13] S. Pei, "FULL-SCALE SHAKE TABLE TESTING OF A TWOSTORY MASS TIMBER BUILDING WITH RESILIENT ROCKING WALL LATERAL SYSTEM", November 2017.
- [14] A. Ebeido et al, "Large Scale Geotechnical Shake Table Testing at the University of California San Diego," in *2nd GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures*, 2018.
- [15] F. Vieux-Champagne et al, "Experimental Analysis of a Shake Table Test of Timber-Framed Structures with Stone and Earth Infill," in *Earthquake Spectra*, Volume 33, No. 3, pages 1075–1100, 2017.
- [16] F. Touati, H. Tariq, D. Crescini, A. B. Mnaouer, "Design and Simulation of a Green Bi-Variable Mono-Parametric SHM Node and Early Seismic Warning Algorithm for Wave Identification and Scattering," in *14th International Wireless Communications & Mobile Computing Conference*, 2018.
- [17] F. Touati, H. Tariq, A. B. Mnaouer and D. Crescini, "IoT and IoE prototype for scalable infrastructures, architectures and platforms," *International Symposium on Ubiquitous Networking*, pp 202-216, 2018.
- [18] H. Tariq, A. Tahir, F. Touati, M. Al-Hitmi, A. B. Mnaouer, and D. Crescini, "Geographical Area Network—Structural Health Monitoring Utility Computing Model," *International Journal of Geo-Information*, 2019.
- [19] R. D. Keith, and H. D. James, "RSQSim Earthquake Simulator," *Seismological Research Letters*, 2012.
- [20] N. W. Steven, "ALLCAL Earthquake Simulator," *Seismological Research Letters*, 2012.
- [21] F. Fred, "A Viscoelastic Earthquake Simulator with Application to the San Francisco Bay Region," *Bulletin of the Seismological Society of America*, 2009.
- [22] R. Y. Mark et al, "The Virtual Quake earthquake simulator: a simulation-based forecast of the El Mayor-Cucapah region and evidence of predictability in simulated earthquake sequences Earthquake Simulator," *Geophysical Journal International*, 2015.
- [23] H. Shunsuke, "A physics-based Monte Carlo earthquake disaster simulation accounting for uncertainty in building structure parameters," *Fourteenth International Conference on Computational Science*, 2014.
- [24] Muneo, H.; and Tsuyoshi, I. Current state of integrated earthquake simulation for earthquake hazard and disaster. *Journal of Seismology*, 2007.
- [25] H. Tariq, A. Tahir, F. Touati, M. Al-Hitmi, A. B. Mnaouer, and D. Crescini, "Structural Health Monitoring and Installation Scheme deployment using Utility Computing Model," *European Conference on Electrical Engineering and Computer Science*, 2018.
- [26] H. Tariq, F. Touati, M. Al-Hitmi, A. B. Mnaouer, A. Tahir and D. Crescini, "IoT and IoE prototype for scalable infrastructures, architectures and platforms," *International Robotics & Automation Journal*. 4. 10.15406/iratj.2018.04.00144, 2019.
- [27] M.A. Shah, T. Khan and M.K. Abbasi, "Communications, Applications, Technology and Beyond: A Survey on Smart Grid," *Sindh Univ. Res. Jour. (Sci. Ser.) Vol. 48 (3) 651-656*, 2016.
- [28] H. Tariq, F. Touati, M. Al-Hitmi, A. B. Mnaouer, and D. Crescini, et al, "Design and Implementation of Information Centered Protocol for Long Haul SHM Monitoring," in *International Wireless Communications and Mobile Computing Conference*, 2019.
- [29] A. Galli, F. Touati, M. Al-Hitmi, A. B. Mnaouer, and D. Crescini, "Environmentally Powered Multiparametric Wireless Sensor Node for Air Quality Diagnostic," *Sensors and Materials* 27(2):177-189, January 2015.
- [30] U. Asghar et al, "Development of Highly Efficient Multi-Invariable Wireless Sensor System Design for Energy Harvesting," *arXiv:1802.05755*, 2018.
- [31] Engineering, Equipment and Machinery. [online] Allied Market Research, p.201. <https://www.alliedmarketresearch.com/structural-health-monitoring-market>, [Accessed 13 Oct. 2018].
- [32] Chang, F. Structural health monitoring. *Lancaster, Pa: DEStech Publ*, 2013.
- [33] F. Touati, H. Tariq, M. Al-Hitmi, A. B. Mnaouer, and D. Crescini, IoT and IoE prototype for scalable infrastructures, architectures and platforms. *4th International Symposium, UNet 2018, Hammamet, Tunisia, DOI: 10.1007/978-3-030-02849-7_18*, 2018.
- [34] H. Tariq, F. Touati, M. Al-Hitmi, A. B. Mnaouer, and D. Crescini, A Real-time Early Warning Seismic Event Detection Algorithm using Smart Geo-Spatial Bi-axial Inclinometer Nodes for Industry 4.0 Applications, *Applied Sciences*, 2019.