

Structural health monitoring meets data mining Miao, S.

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Curriculum Vitae

Shengfa Miao was born in Shanxian, Heze, Shandong, China on September 8, 1981. In 2001, he received his secondary school degree from the fifth Shanxian Middle School and started his bachelor study in Computer Science, at Lanzhou University, Lanzhou, Gansu, China. He received the bachelor degree in July 2005, and was awarded the title "Outstanding Graduate Student". In the same year, he was employed by Lanzhou university as a teaching assistant. In September 2007, he was admitted by Lanzhou University as a master student in the major of Data Mining, under the supervision of Prof. Xiaoyun Chen. He graduated in June 2009 with a thesis entitled "The Application and Research of Data Warehouse and Search Engine in the Management of Alumni Resources". Right after his graduation, he started his PhD research following Prof. Xiaoyun Chen.

In November 2010, he obtained a PhD position at Leiden Institute of Advanced Computer Science, Leiden University, the Netherlands, under the supervision of Prof. dr. J.N. Kok and dr. A.J. Knobbe. His research mainly focused on the InfraWatch project. The project aims to monitor structural health by installing a sensor network on a structure, specifically, a highway bridge, and extracting modal parameters from datasets collected with the sensor network. As being presented in this thesis, Data Mining plays a key role in the procedure of Structural Health Monitoring.

As of September 2014, Shengfa works as a research associate in Prof. dr. H.G.D.G. De Weerdt's group, at Leiden University Institute for Area Studies, Leiden University, on a project entitled "Digging into Data: Automating Chinese Text Extraction".