

## Curriculum Vitae (CV)

ดร. นภดณีย์ อาชาวาคม

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### CURRENT POSITION

Lecturer,

Department of Mechanical Engineering, Faculty of Engineering, Chulalongkorn University

### FIELD OF INTEREST

- Mechanical Systems Dynamics
- Mechanical Vibration and Acoustic Noise

### EDUCATIONAL BACKGROUND

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|------------|--------|--|
| May 2005   | Ph.D.  | University of California, Berkeley, USA, Mechanical Engineering,<br>Major: Dynamics and Vibration. |
| May 2001   | M.S.   | University of California, Berkeley, USA, Mechanical Engineering,<br>Major: Vibration and Control.  |
| March 1997 | B.Eng. | Chulalongkorn University, Thailand, Mechanical Engineering,<br>Major: Automotive Engineering.      |

### EMPLOYMENT HISTORY

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|-------------------------|---|
| June 2005 – Present     | Member, Department of Mechanical Engineering,<br>Faculty of Engineering, Chulalongkorn University |
| August 1997 – July 1998 | Mechanical Engineer, Production Planning Department,<br>Siam United Steel (1995) Co, Ltd.         |

### SELECTED PUBLICATIONS

1. Ajavakom, N., Ng, C. H., and Ma, F., 2008, "Performance of Nonlinear Degrading Structures: Identification, Validation, and Prediction," *Computers & Structures*, vol. 86, no. 7-8, April 2008, pp. 652-662.
2. Ajavakom, N., Sripakagorn, P., Singhatanagid, P., and Jintanawan, T., 2007, "On Investigation of Vibro-Acoustics of FDB Spindle Motors for Hard Disk Drives," *Microsystems Technologies*, vol. 13, no. 8-10, May 2007, pp. 1281-1287.
3. Ma, F., Ng, C. H., and Ajavakom, N., 2005, "On System Identification and Response Prediction of Degrading Structures," *Journal of Structural Control and Health Monitoring*, Vol. 13, pp. 347-364.
4. Ajavakom, N., Sillapapinij, A., 2007, "Analysis of Electrically Excited Vibration Modes and Acoustic Noise in a FDB Spindle Motor," ASME Information Storage and Processing Systems Conference 2007.