

Profile

Sutrisno W. Ibrahim currently is a PhD student and research assistant at Electrical Engineering Dept., King Saud University, Saudi Arabia. He gained M.Sc from the same department on Feb 2013. He got his primary education until senior high school at his hometown, Sukoharjo district, Central Java, Indonesia. He received his B.Sc. in Electrical Engineering from Sepuluh Nopember Institute of Technology in 2010. His research interest includes artificial intelligent, computer vision, biomedical engineering, and energy harvesting.

Personal Information

Full Name	: Sutrisno Warsono Ibrahim
Place/Date of Birth	: Sukoharjo, Indonesia/ May 6 th 1987
Nationality	: Indonesia
Marital Status	: Married (2 Children)
Languages	: Indonesia, English, Arabic
Permanent Address	: Ngentak RT 03/05, Bulakrejo, Sukoharjo, Indonesia
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Blog	: sutrisnolink.wordpress.com

Educational Background

PhD , Electrical Engineering, King Saud University, Riyadh, Saudi Arabia (2013-now)
Major : Control System and Computer

M.Sc , Electrical Engineering, King Saud University, Riyadh, Saudi Arabia (Feb 2013)
Major : Control System and Computer
Thesis: "Autonomous Frequency Tracking for Piezoelectric Energy Harvester".

B.Sc., Electrical Engineering, Sepuluh Nopember Institute of Technology, Surabaya, Indonesia (2010)

Working Experiences

2010 – Now	: Research Assistant at EE, King Saud University, Saudi Arabia
May-July 2010	: Web Developer at CV. EFMS (publisher), Surabaya, Indonesia
2009 – 2010	: Lab. assistant at Telematic and Multimedia laboratory, EE, ITS

Teaching Experiences

- Basics of Programming Language Lab(ITS, 2009)
- Database Lab (ITS, 2009)

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- C++ Programming Lab (KSU, 2011 - 2015)
 - Control and Instrumentation Lab (KSU, 2013-now)
 - Applied Control Lab (KSU, 2014-now)

Award and Achievements

- Scholarships: Bachelor (EE ITS), Master (EE KSU), and Doctoral scholarship (KSU, 2013-now)
- Research Achievement Award (Master Student), College of Engineering, KSU (2013)
- Win many scientific contests during middle and high schools (Mathematical Olympiad, Physics, etc)
- Always in the 1st ranking since primary education (SD) until senior high school (SMA).

Publications

Journal Paper:

- [1]. **Sutrisno W. Ibrahim** and Wahied G. Ali, "A Review on Frequency Tuning Methods for Piezoelectric Energy Harvesting Systems," *Journal of Renewable and Sustainable Energy*, Vol. 4, pp. 062703 (2012); doi: [10.1063/1.4766892](https://doi.org/10.1063/1.4766892) (**ISI journal**)
- [2]. Wahied G. Ali, and **Sutrisno W. Ibrahim**, "Power Analysis for Piezoelectric Energy Harvester," *Energy and Power Engineering*, Vol. 4, Issue 6 (2012). pp. 496-505. doi: [10.4236/epe.2012.46063](https://doi.org/10.4236/epe.2012.46063).

Conference Paper:

- [1]. **Sutrisno W. Ibrahim**, and Wahied G. Ali, "Power Enhancement for Piezoelectric Energy Harvester," Proceedings of The World Congress on Engineering (WCE) 2012, pp1018-1023 (July 4 - 6, 2012, London, **U.K**).
- [2]. **Sutrisno W. Ibrahim**, and Wahied G. Ali, "Parametric Identification for Piezoelectric Energy Harvester," International Conference on Sustainable Energy Engineering and Application (ICSEEA) 2012 (November 6 - 8, 2012, Yogyakarta, **Indonesia**)
- [3]. Wahied G. Ali, **Sutrisno W. Ibrahim**, and Ahmad Telba, "Modeling and Simulation of Vulture Piezoelectric Energy Harvester," International Conference on Computer Engineering & Systems (ICCES'2012) (November 27-29, 2012, Cairo, **Egypt**).

Hobby and Skills

- Research Interest: Artificial Intelligent, Biomedical Engineering, Energy Harvesting
- Hobby: Writing, Blogging and travelling.
- Computer Skills: Programming (C, C++, Pascal, MATLAB, LabVIEW, VHDL), Database (Access, PostgreSQL), Website (Wordpress), Linux, Ms Office (Word, Excel, etc), Networking.

[Update: 3/9/2015]