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Member ASME/IEEE (USA), Member SPIE (USA), Member SACM (Singapore)

ACADEMIC QUALIFICATIONS

PhD.: National University of Singapore, Singapore; Integrative Sciences; 2008

M.Eng.: National University of Singapore, Singapore; Structural Engineering; 2003

B.Eng. (Hons): National University of Singapore, Singapore; Civil Engineering, *graduated with 1st Class Honours*; 2000

POSTDOCTORAL RESEARCH EXPERIENCE

- **Postdoctoral Research Fellow:** Harvard School of Engineering and Applied Science, Harvard University, USA; May 2008 – May 2010.

CURRENT RESEARCH INTEREST

1. Motion-based energy harvesting
2. Artificial muscles for soft robots
3. Stretchable sensors for railway-track health monitoring

SELECTED PUBLICATIONS

1. Y. S. Teh and S.J.A. Koh, Giant continuously-tunable actuation of a dielectric elastomer ring actuator. Ex. Mech. Lett., submitted.
2. Q. J. Lim, P. Wang, S. J. A. Koh, E. H Khoo and K. Bertoldi, Wave propagation in fractal-inspired self-similar beam lattices, Appl. Phys. Lett. **107**, 221911, 2015.
3. Y. Z. Wong, J. X. Goh and S. J. A. Koh, Prototype demonstration of a stretchable energy harvester. International Symposium on Engineering Science, Singapore, 19-20 May 2015.
4. R. Kaltseis, C. Keplinger, S. J. A. Koh, R. Baumgartner, Y. F. Goh, W. H. Ng, A. Kogler, A. Trols, C. C. Foo, Z. Suo and S. Bauer, Natural rubber for sustainable high-power electrical energy generation. RSC Adv. **4**, 27905–27913, 2014.
5. C. Foo, S. J. A. Koh, C. Keplinger, R. Kaltseis, S. Bauer and Z. Suo, Performance of Dissipative Dielectric Elastomers. J. Appl. Phys. **111**, 094107, 2012.

AWARDS

1. **Best Paper Award, Silver Award** at the International Conference for Electronics, Information and Communication (IEEE/ASME), 2015.
2. **Promising International Researcher Award** by the European Scientific Network for Artificial Muscles, 2013.