



Fig. 1 (a) A 3D and (b) a 2D schematic of an electrically actuated MEMS shallow arch

## Professor Mohammad I. Younis

**The right-most image above is from:** Ouakad, H.M., Sedighi, H.M., Younis, M.I.: One-to-one and three-to-one internal resonances in MEMS shallow arches. *J. Comput. Nonlinear Dyn.* 12, 1–11 (2017).

See:

<https://2019.ieee-sensorsconference.org/contact/mohammad-younis>

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### Biography:

Mohammad I. Younis received a Ph.D. degree in engineering mechanics from Virginia Polytechnic Institute and State University, Blacksburg, VA, in 2004. From 2004-2013 he served as an assistant and then as an associate professor of Mechanical Engineering at the State University of New York (SUNY), Binghamton, NY. In 2013 he moved to King Abdullah University of Science and Technology, Saudi Arabia, where he served as an associate and then full professor of Mechanical Engineering and a Director of the MEMS and NEMS Characterization and Motion Laboratory. Dr. Younis is a recipient of the SUNY Chancellor's Award for Excellence in Scholarship and Creative Activities in 2012, the National Science Foundation Faculty Early Career Development Award in 2009, and the Paul E. Torgersen Graduate Research Excellence Award in 2002. He holds several U.S. patents in MEMS sensors and actuators. He serves as an Associate Editor of *Nonlinear Dynamics*, *Journal of Computational and Nonlinear Dynamics*, *Journal of Vibration and Control*, and *Meccanica*. He is a member of the American Society of Mechanical Engineers ASME and IEEE.

### Selected Publications:

#### Book:

Younis, M.I.: *MEMS Linear and Nonlinear Statics and Dynamics*. Springer, Berlin (2011)

#### Journal Articles, etc.:

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