



Figure 1. Schematics of an initially curved beam with length L , elevation h , thickness d , width b , electrode gap distance g_0 , and actuation voltage V_{ES} . Application of V_H between the two anchors allows for Joule heating of the micromechanical beam and tailoring of its midpoint elevation.

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http://www.ariel.ac.il/Projects/TRP/GeneralInformation.asp?numRec=167&numtafrit=1&id_lang=1&d=
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Research Interests:

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Selected Publications:

Book:

R. Gilat, L. Banks-Sills, Editors; (2010) *Advances in Mathematical Modeling and Experimental Methods for Materials and Structures. The Jacob Aboudi Volume.* Springer

Journal articles, etc.:

Gilat R and Aboudi J (1994), Dynamic buckling of viscoelastic plates and shells under cylindrical bending, *Journal of Sound and Vibration*, 174(3), 323-334

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