## Accepted Manuscript

Title: Design Optimization and Fabrication of Micro Cantilever for Switching Application

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PII:	S0924-4247(14)00472-5
DOI:	http://dx.doi.org/doi:10.1016/j.sna.2014.10.038
Reference:	SNA 8955
To appear in:	Sensors and Actuators A
Received date:	31-7-2014
Revised date:	30-10-2014
Accepted date:	30-10-2014

Please cite this article as: D.G. Khushalani, V.R. Dubey, Design Optimization and Fabrication of Micro Cantilever for Switching Application, *Sensors and Actuators: A Physical* (2014), http://dx.doi.org/10.1016/j.sna.2014.10.038

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## ACCEPTED MANUSCRIPT

Highlights for Reviewer:

- 1) Taguchi analysis the numbers of commutations were reduced as in case with factorial design
- 2) The switch was designed with the intention of having current density in the ideal range
- The best feasible design modeled is fabricated for validating the analytical and simulated values with practical values.
- Various fabrication methodologies needed to be optimized and implemented to overcome the fabrication issues in order to meet the design considerations.
- 5) The pull in voltage and actuation voltage values simulated and implemented have a difference of approx 4 volts due to variation in device parameters during fabrication process.
- The work is carried out within the framework of the Indian Nanoelectronics User programme (INUP) at IIT, Bombay which has been sponsored by DIT, MCIT, Govt. of India.

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