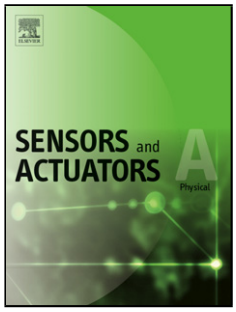

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Authors: Kaur Leemets, Uno Mäeorg, Alvo Aabloo, Tarmo Tamm

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Effect of contact material and ambient humidity on the performance of MWCNT/PDMS multimodal deformation sensors

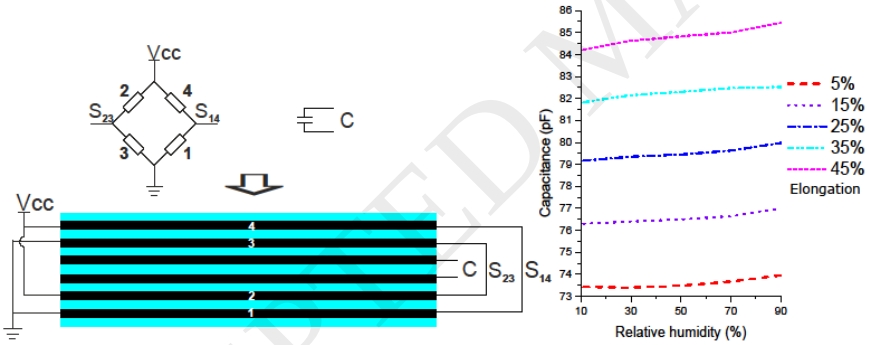
Kaur Leemets,*[a], Uno Mäeorg [b], Alvo Aabloo [a] Tarmo Tamm [a],

[a] IMS Lab, Institute of Technology, Tartu University, Nooruse 1, 50411 Tartu, Estonia

[b] Institute of Chemistry, Tartu University, Ravila 14a, 50411, Tartu, Estonia

* Corresponding author e-mail: kaur.leemets@ut.ee

Graphical abstract



Highlights

- Humidity effects the signal of resistive and capacitive PDMS/MWCNT deformation sensors.
- The effect of humidity strongly depends on the contact materials used
- Carbon mesh contacts outperform copper in terms of both electrical and mechanical stability