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

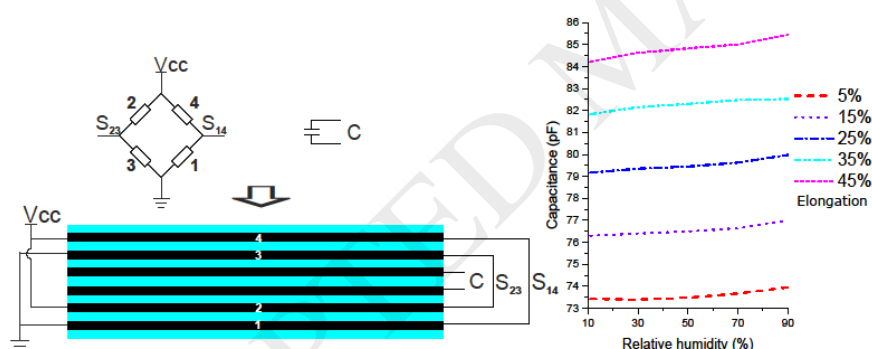
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Graphical abstract



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

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