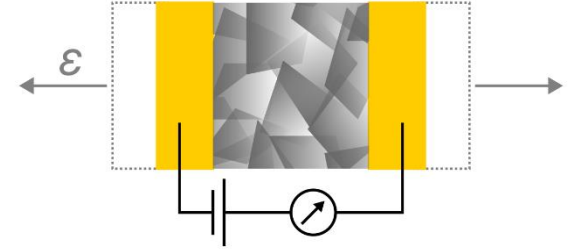


Mechanical stability of conductive MXenes for strain sensing

What we do:

We prepare **electrically conductive** assemblies of **MXenes** to be applied in **strain sensors** with electrical readout. Here, the behavior of the MXene layer under strain loading is crucial.

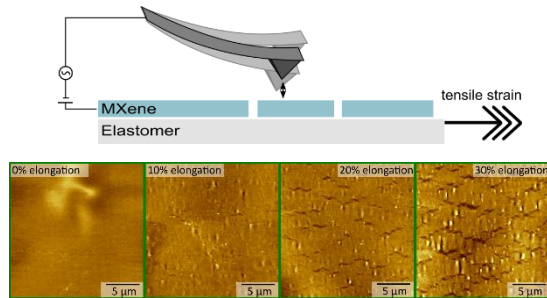


Question

What is the **mechanical stability** of MXene films deposited on elastomers under **strain application**?

We are looking for motivated Bachelor students

who will join us in studying the **potential crack formation** and its impact on the films **electronic properties** using in-situ strain AFM



**We look forward
to your response!**

Dr. Ilka Hermes & Dr. Hendrik Schlicke
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