Bachelor/Master Thesis:

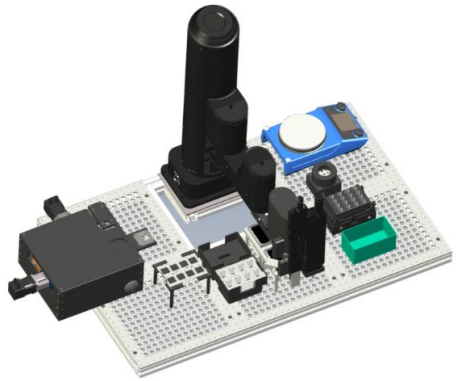
Air-processed organic Devices employing a spin-coating robot (SPINBOT)

Aim: Demonstrating Fully Air-processed OPV Devices On the SPINBOT

- Optimize the active layer spin coating parameters in terms of absorption and film thickness.
- Development of automated and Air-Solution processed organic solar cells with a binary system on the active layer performed on the SPINBOT.
- Assess the influence of the total concentration of the solutions and annealing conditions on the performance of the OSC.
- Characterize the organic solar cells by absorption, film thicknesses, j-V parameters, stability, and photoluminescence.

Our expectations:
independent work; good analyzing skills; good English. Knowledge in python (matlab or excel) is desirable.

Qualifications:
Student of material science, energy technology, engineering,
renewable energy or related fields of study



https://www.sciprios.de/lab-automation/spincoating-robots/

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