



Figure 1: (Left) Photo of the thermoelectric device on the transparent PEN. The thickness of the ZnO layer is around 300nm with some non-uniformity due to the masking tape present during the deposition. On the bottom-right corner a zoomed picture of a single pad is shown.

(Right) Graphs of the comparison of Voltage generation of ZnO (Brown 100nm, Violet 150nm, Green 500nm) with ZnO:benzene superlattice 100nm.

## References:

- [1] T. Tynell and M. Karppinen, "ZnO: Hydroquinone superlattice structures fabricated by atomic/molecular layer deposition," *Thin Solid Films*, vol. 551, pp. 23–26, Jan. 2014.
- [2] T. Tynell *et al.*, "Efficiently suppressed thermal conductivity in ZnO thin films via periodic introduction of organic layers," *J. Mater. Chem. A*, vol. 2, no. 31, pp. 12150–12152, Jul. 2014.