### New design features in lightweight and low-cost inverted CdTe solar cells

Thin film cadmium telluride (CdTe) solar cells have now achieved >20% efficiency and are the market leading thin film PV technology. Currently these solar cells are produced on glass substrates, however glass represents ~34% of the CdTe solar cell production cost. By switching to a radical inverted cell design this removes the requirement for glass and allows lightweight, low-cost and flexible alternatives such as polymer films (polyimide) or metal foils (e.g. Al or steel) to be used instead. This project will focus on the fabrication and characterisation of these new flexible CdTe solar cells.