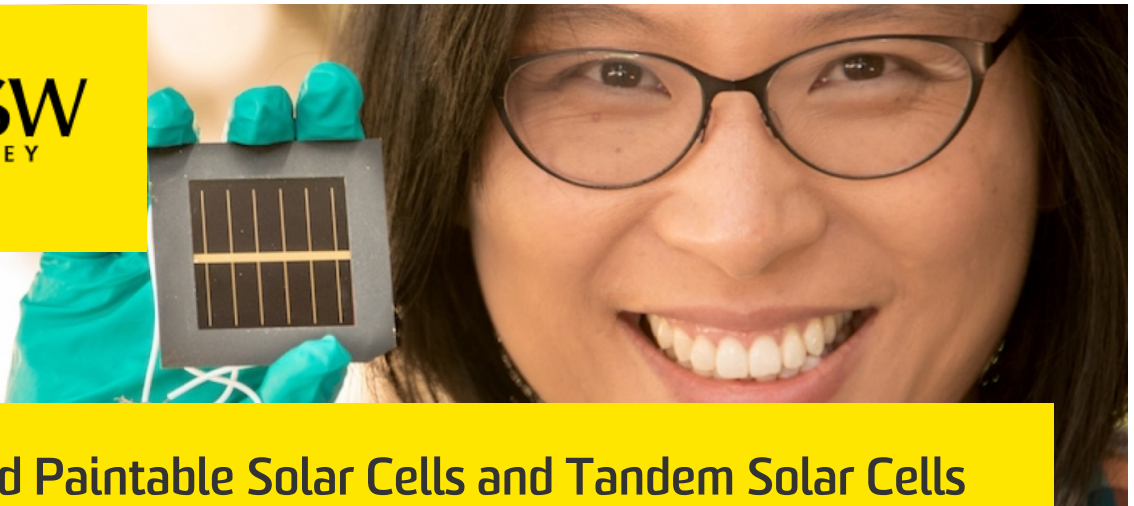




**UNSW**  
SYDNEY



## Sprayable and Paintable Solar Cells and Tandem Solar Cells

**Research into high-efficiency silicon solar cells, tandem solar cells, perovskite solar cells, manufacturing cost analysis and integration of photovoltaics for a wide range of applications, e.g. buildings, portable devices and vehicles.**

### Competitive advantage

World records for energy conversion efficiencies of

- large area perovskite solar cells (2016)
- large area monolithic perovskite/Si(homo-junction) tandem solar cells (2018)
- GaAsP/Si monolithic tandem solar cells

### Successful outcomes

- Hermetic Encapsulated Perovskite Solar Cells for Thermally Insulated Glazings

### Capabilities and facilities

- Fabrication and characterisation of high efficiency and large area perovskite solar cells

### Our partners

- Suntech Power
- Trina Solar
- Greatcell Solar Materials
- Microquanta

### More Information

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