

## New insights on halide perovskites and hybrid quantum dot-perovskite solar cells

The study of colloidal halide perovskites nanoparticles and their formation and transformation processes grants us with new insights about the stability and phase diagram of these materials. It also highlights the tremendous possibilities in the use of nano crystals in halide perovskites solar cells. One design using tin sulfide quantum dots to template a halide perovskites solar cell will be presented.