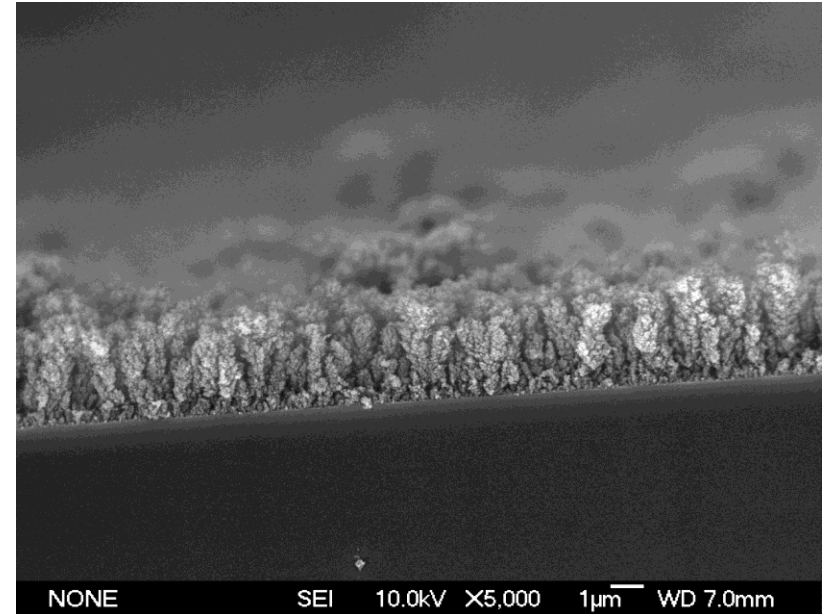


Spray-on Crystalline Metal Oxide Semiconductor Nanostructures for Low Cost PVs and H₂ Generation

High surface area, nanostructured, crystalline metal oxide films are of interest for solar energy conversion via photovoltaic cells and H₂ generation via photocatalytic water splitting. Researchers at the CHM in partnership with Inframat Corporation have developed a new ultra-low cost technology for spray on nanodendritic films of TiO₂, ZnO and other metal oxides.



*Professor J. Watkins, University of Massachusetts
with D. Reisner, Inframat Corp.*