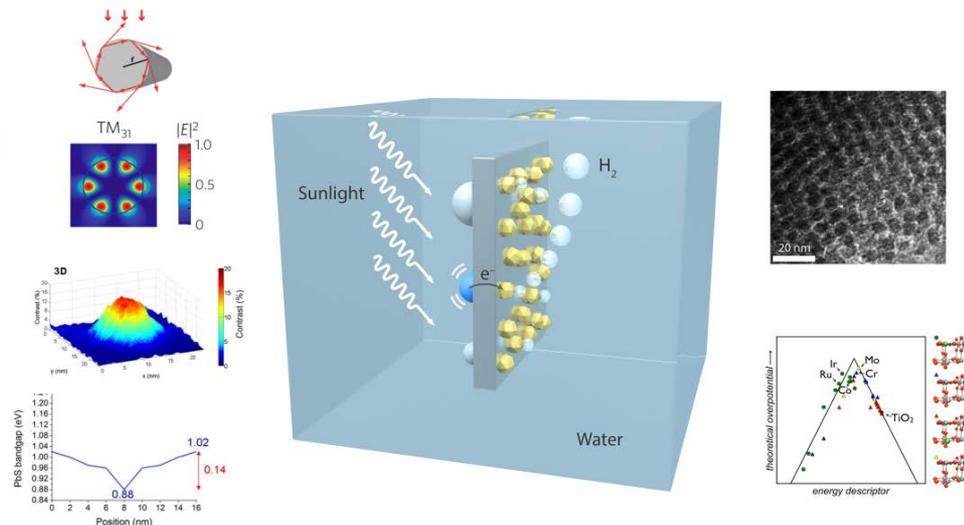


CNEEC seeks to understand how nanostructuring can enhance efficiency of energy conversion, and solve cross-cutting fundamental problems at the nanoscale to improve materials properties such as light absorption, charge transport, and catalytic activity. These efforts are aimed at advancing solar conversion into stored energy.



RESEARCH PLAN AND DIRECTIONS

We use nanostructuring to achieve quantum and optical confinement for light absorption and atomic-scale engineering for catalysis, each of which contributes to improved efficiency and performance in **solar energy conversion into fuels**.