

Following Zerner's Legacy: Combining Calculations and Experiment for Development of Efficient Solar Cells

Jerzy Leszczynski

Jackson State University, Jackson, MS

During his distinguished research career Mike Zerner efficiently combined application of available experimental data to improve the outcome of computational studies. We followed his strategy in designing solar cell components. This allows us to propose new dye solar cell sensitizers that could enhance their power conversion efficiency by more than 100%. This talk will reveal the results of our recent efforts on development of more efficient solar cells.