



“The Future of Solar Energy is Bright!”

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Organic Solar Cells: Current Status and Materials Challenges

Organic solar cells present themselves as a low-cost and modular alternative to traditional Silicon based solar cells. The use of organic materials as active components allows for the cells to be printed onto light weight and flexible substrates, creating a more versatile and user friendly module. While the efficiency of current lab scale devices has matched that of amorphous Silicon, many challenges have presented themselves inhibiting large scale commercialization. This talk will briefly discuss some of the current materials challenges, and how chemistry at Dalhousie University is helping overcome them.