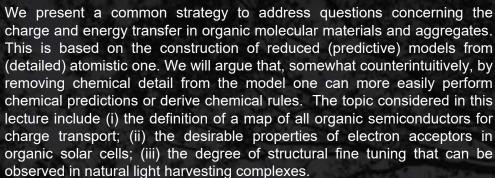




Less is more: model reduction for exciton and charge transport in molecular materials

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Alessandro Troisi received his PhD in Physical Chemistry in 2001 from the University of Bologna for his research on the charge transfer reactions in condensed phases. As a postdoctoral researcher at Northwestern University in Mark Ratner's group, he worked on single molecule electronics. During this time, he also studied electron transport through flexible molecules and developed a model for inelastic tunneling spectroscopy. In 2004-2005, he was a research fellow at the University of Bologna studying the charge transport mechanism in organic solid crystals. In October 2005, he joined the Department of Chemistry at the University of Warwick as a Research Council UK Fellow and in 2010 as a Professor until 2017. Currently, he is a Professor of Chemistry at the University of Liverpool. He has received numerous awards including the Marlow Award of the Royal Society of Chemistry, the ERC - Starting Investigator Award (2009) and the ERC - Consolidator Grant (2013).

