



APA-Prize for Young Scientists 4 November 4 (Thu.), 2021 / 16:40-17:00 [Pre-recorded]



Dr. Christopher Hall

(Univ. of Melbourne, Australia)

○ Biography

Chris has a background in photochemistry and laser spectroscopy, and is interested in resolving mechanisms and reaction pathways in photochemical systems. He completed his PhD in Nov. 2011 at Swinburne University of Technology (SUT) in Melbourne, studying engineered excitonic states in semiconductor nanostructures. In 2012 he joined of the Australian Centre of Excellence for Coherent X-ray Science, where he worked on developing a coherent soft X-ray light source, and techniques for coherent diffractive imaging and coherent multidimensional spectroscopy. In Feb. 2015 Dr. Hall joined the group of Prof. Steve Meech in the School of Chemistry at the University of East Anglia (UEA, UK). There he built a facility for Femtosecond Stimulated Raman Spectroscopy (FSRS), while also undertaking research utilising the infrared spectroscopy facility at the Rutherford Appleton Laboratory Central Laser Facility (RAL-CLF) in Harwell. Some of his published work in this role included work on molecular motors with Prof. Ben Feringa (University of Groningen), protein electron conductors with Prof. Julea Butt (UEA, UK) and optogenetics with Prof. Peter Tonge (Stoney Brook University, USA). In Nov. 2017 Dr. Hall joined the ARC CoE in Exciton Science (ACEX) in the School of Chemistry at the University of Melbourne where he studies fundamental processes in excitonic materials. Following grant success via the Australian National Competitive Grant Program in 2020, he will co-develop a transient infrared spectroscopy facility at the University of Melbourne, the first in Australia. In 2021 he was awarded an Australian Research Council Future Fellowship to develop new ultrafast multidimensional spectroscopies to correlate electronic and vibrational dynamics in photochemical systems.