HPC and Data in Materials Design and Discovery

Teaching Team



Prof Sean Smith



Dr Jingbo Wang



Dr Maciej Cytowski



A/Prof Amir Karton



Prof Katya Pas



A/Prof Alister Page



Prof Julian Gale



Prof Debra Bernhardt



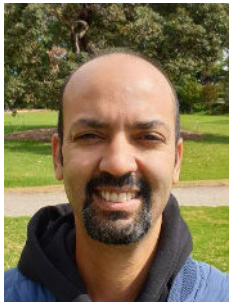
Prof Ben Corry



Dr Asaph Widmer-Cooper



Prof Shyue Ping Ong



Dr Sherif Abbas

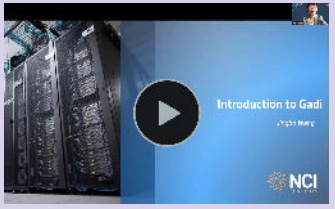
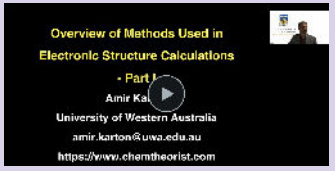


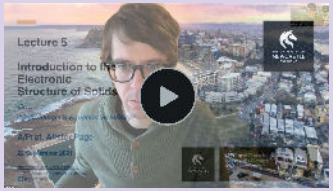
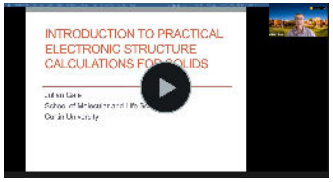
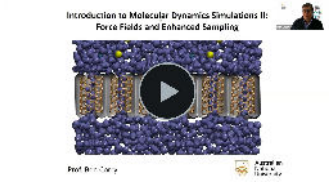
Prof Tiffany Walsh

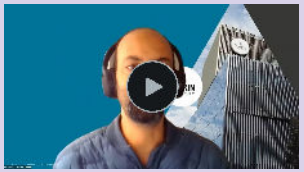


Prof Maria Forsyth

HPC and Data in Materials Design and Discovery is a collaborative graduate teaching initiative for the Australian computational materials science research community. Below you find some brief professional bio details of the stellar teaching team. In each case, the name is linked to their website and the video thumbnail links to a short excerpt from their live online teaching sessions delivered as part of the course! To enrol as an Australian postgraduate student or researcher in the field, please follow this link.

Prof Sean Smith is Director of the National Computational Infrastructure (NCI Australia) and conjointly Professor at the Australian National University (ANU). He gained his PhD at the University of Canterbury in New Zealand. He undertook postdoctoral research at Universität Göttingen and at UC Berkeley. He has held academic and management appointments at The University of Queensland, Oak Ridge National Laboratory, UNSW Sydney and ANU.	
Dr Jingbo Wang is Manager of Training and Research Engagement at NCI Australia. She gained her PhD at Cambridge University and undertook postdoctoral research at Lawrence Livermore National Laboratory and Geoscience Australia before taking up a staff scientist role at NCI.	
Dr Maciej Cytowski is Head of Scientific Services at the Pawsey Supercomputing Centre. He gained his PhD at the Polish Academy of Science and has held appointments at the University of Warsaw and Curtin University.	
Associate Professor Amir Karton gained his PhD at the Weizmann Institute in Israel. He undertook postdoctoral research at the University of Sydney before taking up his faculty position at the University of Western Australia (UWA).	

Professor Ekaterina Pas gained her PhD at Universität Münster in Germany. She undertook postdoctoral research at the ANU and at Monash University before taking up her faculty position at Monash University.	
Associate Professor Alister Page gained his PhD at the University of Newcastle in Australia. He undertook postdoctoral research at Uni Newcastle and at Kyoto University in Japan before taking up his faculty position at Uni Newcastle.	
Professor Julian Gale is John Curtin Distinguished Professor and ARC Laureate Fellow at Curtin University. He gained his DPhil at the University of Oxford. He held research and faculty appointments at Imperial College London before taking up his professorship at Curtin University. He has also held a conjoint professorial position at Institute National des Sciences & Techniques Nucleaires, Saclay, France.	
Professor Debra Bernhardt is professor and ARC Laureate Fellow at The University of Queensland. She gained her PhD at University of Newcastle in Australia. She held research appointments at University of Bazel, ANU and UQ before taking up a faculty position at Griffith University. She is currently a senior group leader at the Australian Institute for Bioengineering and Nanotechnology, UQ.	
Professor Ben Corry gained his PhD at the ANU. He held successive ARC research fellowships at UWA before taking up his faculty position in the Research School of Biology at the ANU.	
Dr Asaph Widmer-Cooper gained his PhD at the University of Sydney. He undertook postdoctoral research at ETH Zurich, UC Berkeley and Lawrence Berkeley National Laboratory before returning to successive research fellowships at the School of Chemistry, University of Sydney.	

Professor Shyue Ping Ong gained his PhD at MIT in the United States and subsequently held a research appointment there before taking up his faculty appointment at the University of California San Diego, where he is now Professor in Nanoengineering.	
Dr Sherif Abbas gained his PhD at the University of Sydney. He undertook postdoctoral research at University of Technology Sydney and RMIT University before taking up his current research fellowship at Deakin University.	
Professor Tiffany Walsh gained her PhD at the University of Cambridge. She undertook postdoctoral research and held sequential research fellowships at Oxford University before taking a faculty position at Warwick University and subsequently her present faculty position as Professor of Bio/Nanotechnology at Deakin University's Institute for Frontier Materials.	
Professor Maria Forsyth is Alfred Deakin Professorial Fellow at Deakin University. She gained her PhD at Monash University. She was Fullbright Fellow at Northwestern University in the United States and Research Scientist at DSTO before gaining her faculty position at Monash University. She subsequently moved to Deakin University as ARC Laureate Fellow and is Associate Director of the ARC Centre of Excellence for Electromaterials Science.	