

2025 年寒假澳洲名校联合访学课程—“澳翔”计划

部分师资介绍，仅供参考，视具体情况予以调整

1. Dr Tesfaye Molla

Dr Tesfaye's research focuses on the application of Integrated Computational Materials Engineering (ICME) techniques for designing advanced powder-based materials, processed through powder metallurgy (PM) including binder jet 3D printing routes. His expertise includes simulating the densification behaviours as well as the resulting mechanical properties of sintered materials using models at meso-, macro-scales and/or a combination of both (multi-scale modeling). He has over 25 publications in international peer reviewed journals and conferences, including the Journal of American as well as European ceramic societies, Journal of Computational Materials Science, Journal of Power Sources, Journal of Integrating Materials Innovation and Manufacturing, etc.

2. Professor Jeffrey Walker

Jeffrey P. Walker (Fellow, IEEE) received the B.S. degree in civil engineering and the Ph.D. degree in water resources engineering from the University of Newcastle, Callaghan, NSW, Australia, in 1995 and 1999, respectively. His Ph.D. thesis was among the early pioneering research on estimation of root-zone soil moisture (SM) from assimilation of remotely sensed surface SM observations. He then joined NASA Goddard Space Flight Centre, Greenbelt, MD, USA, to implement his SM work globally. In 2001, he moved to the Department of Civil and Environmental Engineering, University of Melbourne, Parkville, VIC, Australia, as a Lecturer, where he continued his SM work, including development of the only Australian airborne capability for simulating new satellite missions for SM. In 2010, he was appointed as a Professor with the Department of Civil Engineering, Monash University, Clayton, VIC, Australia, where he is continuing this research. He is contributing to SM satellite missions at NASA, ESA, and JAXA, as a Science Team Member for the Soil Moisture Active Passive mission and a Cal/Val Team Member for the Soil Moisture and Ocean Salinity and Global Change Observation Mission – Water, respectively.

3. Dr Xiaoling Wu

Dr Wu is an expert in the field of microwave remote sensing of soil moisture, resolution enhancement of environmental variables, and proximal soil moisture sensing for real-time agricultural applications. She has also been focusing on downscaling technologies using satellite and airborne radar and radiometer observations in order to provide accurate regional scale (10 km) maps of surface water and vegetation dynamics with potential benefit in the areas of weather forecasting, flood, and drought prediction, agricultural activities, etc. She has extensive relevant experience to this project, particularly in remote sensing of environment and GIS

technology, in addition to planning, conducting, processing, documenting, archiving and analysing satellite, airborne and drone campaign data.

4. Dr Shivneel Prasad

Dr Shivneel Prasad is a Senior Education Technologist at the University of Melbourne. He is a technology team leader with over 12 years of experience in facilitating, developing, and coordinating STEM education programs. His passion is to create dynamic and inclusive learning environments that integrate cutting-edge technology and foster student engagement and outcomes.

5. Dr Sajjad Kamal

Dr Kamal is an industry expert and a technology-focused entrepreneur and product builder dedicated to advancing sustainable solutions for health, nutrition, and environmental care across the globe. He is the former Chief Technology Consultant to the Saudi Arabian government. His expertise spans diverse areas, from Mobile/Web Apps to Healthcare Hardware, UX/UI, Data Visualization, and beyond. Proficient in DICOM, RIS/PACS, HL7/FHIR, *nix based systems, Teleradiology, TelePathology, Healthcare Command Centers, Machine Learning/Tensorflow, React.JS, Python/Django, Node/Express, AWS/Google Cloud, Flutter/Dart, Data Science, and Data Analytics.

6. Rob Cugno

Rob is the Founder of FutureU Coaching. He is a career advisor to the Trinity College at the University of Melbourne. His passion is helping people find the career they love. Rob works with professionals who want to progress their career, find new roles in their industry or seek a complete career change.

Like many of us, Rob has worn a few different hats in his working life. Before becoming a career coach, Rob worked in education, both as a lecturer/tutor and on the business side, helping multiple universities to build their partnerships.

Rob is a warm and engaging speaker who relates well to any audience. A true chameleon, Rob is equally at home speaking with and coaching law firm partners as he is high school graduates.

Rob's self-effacing and adaptable style combined with his expertise in career coaching and education means he's a favourite with event organisers.

Professionally, Rob is curious about people and what drives their career decisions. He explores this topic in the Love What You Do podcast, where he interviews everyday people about their careers as well as experts from the HR industry. Rob also writes about career development and you can read his articles on LinkedIn on this website under Free Training.

Rob works with people across Australia, New Zealand and Asia/Pac to help them find their dream career.