



Explore Your Future with a Curtin Degree

Make an informed decision and discover your path to success with Curtin Science courses! Join Curtin academics sharing their knowledge and expertise in world-class innovative science courses.

Date: 15th October 2021

Time: 11:30am to 2:00pm (AWST)

Webinar link: curtin.edu/INT-science-webinar

Meeting ID: 843 9622 9976

Passcode: 77KZYN

Professor Mark Buntine

**Deputy PVC - Faculty of Science & Engineering
Dean of Science**

Professor Mark Buntine is Curtin University's Dean of Science, and the Deputy Pro Vice-Chancellor of the Faculty of Science and Engineering. Mark is a member of the Australian Council of Deans of Science (ACDS) and a former President of the Royal Australian Chemical Institute (RACI). After studying his Bachelor of Science and Master of Science at Monash University, he was awarded his Ph.D. by Stanford University. More recently Mark became a founder and Director of the Advancing Science by Enhancing Learning in the Laboratory (ASELL) project. His experimental research uses lasers to explore a range of chemical phenomena, employing a variety of spectroscopic approaches to characterise molecular structure.



Prof Sambit Datta

Dean International - Faculty of Science and Engineering

Professor Datta is Dean International of the Faculty of Science and Engineering. His research focus in computational design and urban science studies is developing new computational knowledge, processes and tools for understanding the architecture and the built environment. Focussing on the development of novel computational techniques, he leads the Computational Design Research Laboratory (Codelab) and is a member of the Curtin Institute for Computation



Mr Nigel de Silva

**Director Transnational Education and Partnerships –
Curtin International**

With over 14 years management experience in a University environment in roles relating to international strategic partnerships and alliances, Nigel has successfully led the expansion of Curtin University's international profile, playing a key role in the establishment of transnational partnerships for Curtin University and its campuses, which includes operations in Singapore, Malaysia, Sri Lanka, Dubai, Vietnam and Mauritius.



Dr Hannes Herrmann

**Director Learning and Teaching - School of Electrical
Engineering, Computing and Mathematical Sciences**

Dr Johannes Herrmann is Director of Teaching and Learning for the School of Electrical Engineering, Computing and Mathematical Sciences and course coordinator for undergraduate computing at Curtin University. He has been with Curtin since starting at the Malaysian campus in 1999 and has previously taught at three other universities in Western Australia. He is also Curtin University's representative to the Australian Collaborative Education Network and the chair of the Computer Society of WA for the Institute of Electrical and Electronic Engineers.



Associate Professor Jo-Anne Morgan

**Director of Actuarial Studies - School of Electrical
Engineering, Computing and Mathematical Sciences**

Jo-Anne Morgan joined Curtin University in 2016 as Program Director of Actuarial Studies bringing over 30 years of international business experience and industry engagement to the actuarial program. She is a fully qualified actuary who applies her strong analytical and modelling capabilities to a variety of projects and has provided evidence-based insights to a range of business decisions. She has advised governments, superannuation funds, industry bodies and private sector employers regarding superannuation and other employee benefits. She has worked with life insurance companies in Australia and North America. Jo-Anne leverages her wide ranging global experience in educating the next generation of actuaries and enhancing their employability.



Professor Ling Li

**Researcher - School of Electrical Engineering, Computing
and Mathematical Sciences**

Ling Li obtained her Bachelor of Science (Computer Science) from Sichuan University, China, Master of Electrical Engineering from China Academy of Post and Telecommunication, and PhD of Computer Engineering from Nanyang Technological University (NTU), Singapore. She worked as an Assistant Professor and subsequently an Associate Professor in the School of Computer Engineering in NTU, before moving to Curtin University in Perth, Australia, where she is now a Professor in Computing. Her research interest is in artificial intelligences, and computer vision and graphics, specifically in deep machine learning.



Professor Iain Murray AM

**Deputy Head of School - School of Electrical Engineering,
Computing and Mathematical Sciences**

John Curtin Distinguished Professor Iain Murray AM received his B.Eng (Hons) in Computer Systems Engineering in 1998 and his PhD titled "Instructional eLearning technologies for the vision impaired" in 2008, both at Curtin University. He has worked in the field of assistive technology for nearly 30 years both as a practitioner and researcher. His research interest include; learning environments for people with vision impairment, embedded sensors in health applications, the Internet of things and assistive technology. He founded the "Cisco Academy for the Vision Impaired" in 2002 to deliver ICT training to vision impaired people globally. He has supervised 19 research students' completions and published in excess of 140 peer reviewed articles in the fields of IoT, engineering education and assistive technology. He is a Member of the Order of Australia, Fellow of the Australian Computer Society, Curtin Academy Fellow and a senior member of the IEEE.



Associate Professor Ranil Coorey

**Director Learning and Teaching - School of Molecular and
Life Sciences**

Associate Professor Ranil Coorey has worked in the food industry internationally before joining Curtin as an academic. His work in the food industry has covered many countries in research and development / food product innovation and in food safety. He is currently working on industry-funded chicken processing and safety projects, including active packaging for microbial inactivation and shelf-life extension, spoilage-related changes to the microbial flora and biochemistry of meat. His other research work includes characterisation of Australian Native food plants for their nutritional and toxic compound profiles. His work on fruit and vegetables includes shelf-life extension and coatings to delay spoilage.



Dr Richard Harris

School of Molecular and Life Sciences

Richard is a teaching focused academic in the school of Molecular and Life Sciences and is course coordinator for the Environmental Science Major. Richard is involved in many of the field-based learning activities that students undertake in the degree to gain hands on experience.



Richard is an ecologist and before coming to Australia was a researcher with a New Zealand research institute focusing on the ecology and control of invasive social insects. Since moving to Perth Richards research has mostly involved environmental monitoring, characterising restoration success from an animal or plant perspective.

Dr Ritu Gupta

**Course Coordinator BSc (Data Science) - School of
Electrical Engineering, Computing and Mathematical
Sciences**

Dr Ritu Gupta has over 25 years of experience in academia and consulting in Western Australia. She teaches across a diverse range of areas including Actuarial Science, Predictive Analytics, Data Science and Applied Statistics. She has written more than 30 consulting reports for various government departments and resource industries in Australia, has developed software for efficient reserves estimation and presented industry-focused short courses. She also works in the area of sports analytics and development of satisfaction surveys. She has presented at several international conferences, supervised PhD projects and has published papers in many diverse disciplines. Ritu has a doctorate from the University of Delhi, India and has won several prizes for academic excellence.



Dr Todd Robinson

**Senior Lecturer, Course Coordinator Master of Geospatial
Intelligence - School of Earth and Planetary Sciences**

Dr Todd Robinson is an expert in remote sensing of vegetation, geospatial data analytics and applications of airborne lidar. He lectures in the areas of Remote Sensing, Geospatial Analysis, Spatial Modelling, Spatial Databases and Algorithms. Todd's research is strongly based on the use and handling of spatial data to test ecological hypotheses in new and exciting ways. Application areas include species distribution modelling (particularly rare or invasive species), species mapping from various platforms, remote sensing-based rangeland condition monitoring, geostatistics, generalized dissimilarity modelling, conservation, landscape genetics and refugia. He is the academic lead on a project developing a suite of tools for groundwater dependent vegetation detection and monitoring with FrontierSI, Roy Hill, BHP, Rio Tinto, FMG, Atlas Iron and the Department of Water and Environmental Regulation.



John Curtin Distinguished Professor Yong Hong Wu

**School of Electrical Engineering, Computing and
Mathematical Sciences**

Prof Yong Hong Wu is one of the seven Curtin Professors listed among the World's Highly Cited Researchers by Clarivate Analytics Web of Science in 2020. His research covers a wide range of areas including Applied Mathematics, Numerical and Computational Mathematics and their applications in science and engineering. Professor Wu has made many important fundamental contributions in his research areas, has supervised 26 PhD students to completion, and has won more than ten national competitive research grants including two current ARC project grants.



In the QS World University Rankings
2022, Curtin University is one of the only three Australian Universities
to achieve QS Five Stars Plus Rating

Rankings

ARWU 2020 Top 1%
ARWU 2021 Subject Ranking:
Mathematics Country Ranking #3 / WUR # 201-300
Earth Science Country Ranking #2 / WUR #39
Environmental Science 101-150
Oceanography 151-200
Food Science and Technology # 201-300

QS 2021: WUR #194
Geology # 43
Earth & Marine Sciences #50
Geophysics #51-100
Mathematics #151-200

For any enquiries please contact Saba Amanuel via email at ci-partnerships@curtin.edu.au