

UGPN
University Global Partnership Network

University Global Partnership Network

ANNUAL CONFERENCE PROGRAMME

9 - 11 APRIL 2018



UNIVERSITY OF
SURREY

NC STATE UNIVERSITY



UNIVERSITY
OF WOLLONGONG
AUSTRALIA



University of São Paulo
Brazil



Welcome

FROM PROFESSOR VINCE EMERY

Senior Vice-President, Global, at University of Surrey



PROFESSOR VINCE EMERY

SENIOR VICE-PRESIDENT, GLOBAL,
UNIVERSITY OF SURREY

As the Chair of the University Global Partnership Network (UGPN) Executive Board it gives me great pleasure to welcome you to the 2018 Annual Conference and to University of Surrey.

Formed in 2011 the UGPN has continued to build broad and deep relationships between members so that it can deliver against its mission of developing sustainable world-class research, education and knowledge transfer through collaborating in research, learning and teaching to benefit global society. I hope that this comes through in the Annual Conference and allows all participants to benefit from engagement with their colleagues in this unique North-North, North-South and South-South partnership. The first day will be devoted to an overview of UGPN activities and two plenary talks whilst the second day will feature a series of parallel workshops where academics within the network can showcase their research and participate in lively discussions about new opportunities and collaborations

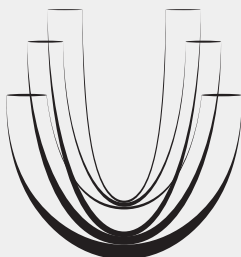
which should lead into ideas for securing funding from the Research Collaboration Fund 2018. The final day will bring together the outcomes of the workshops, as well as an overview of a recent collaborative initiative in the equality and diversity arena, providing an opportunity to share experiences and provide feedback from the Executive Group.

I hope you will all find this event stimulating, exciting and one where new friends and partnerships can be made to ensure that the UGPN continues to realise its ambitions, contribute to the success of all its partners and make a truly global impact.

Have an enjoyable Conference.

Vince

Professor Vincent C Emery FRSB FAST
Senior Vice-President (Global)
University of Surrey
Chair UGPN Executive Group



UGPN
University Global Partnership Network

INTRODUCING OUR KEYNOTE SPEAKER

PROFESSOR DERK-JAN DIJK

Professor of Sleep and Physiology
Director Surrey Sleep Research Centre



PROFESSOR DERK-JAN DIJK

**PROFESSOR OF SLEEP AND
PHYSIOLOGY**

Derk-Jan Dijk PhD, FRSB, is Professor of Sleep and Physiology, Director of the Surrey Sleep Research Centre and Director of Sleep Wake Research at the Surrey Clinical Research Centre. He has held positions at the Institute of Pharmacology at the University of Zurich, Harvard Medical School and the Brigham and Women's Hospital in Boston, USA and is a Royal Society-Wolfson Research Merit Award holder.

Professor Dijk has more than 30 years of experience in clinical sleep research. His current research interests include the pharmacological manipulation of sleep and cognition; the role of circadian rhythmicity in sleep regulation; identification of novel-biomarkers for susceptibility to the negative

effects of sleep loss; understanding age and sex related differences in sleep physiology and sleep disorders. His research is funded by the Biotechnology and Biological Science Research Council, the Wellcome Trust, The Air Force Office of Scientific Research, Philips Lighting and several major pharmaceutical companies.

Professor Dijk has published more than 160 research and review papers in the area of sleep and circadian rhythms and has given opening and plenary lectures for the joint meeting of the Canadian Sleep Society, American Academy of Sleep Medicine and Sleep Research Society, The European Sleep Research Society and the Hong Kong Sleep Medicine Society.

INTRODUCING OUR GUEST SPEAKER

VIVIENNE STERN

Director of Universities UK International



VIVIENNE STERN

**DIRECTOR OF UNIVERSITIES UK
INTERNATIONAL**

Vivienne is the Director of Universities UK International (UUKi), representing UK universities around the world and working to enable them to flourish internationally.

Prior to her role in UUKi, Vivienne was Head of Political Affairs at Universities UK. In this role she led the sector's response to several major pieces of legislation relating to universities, including the Higher Education Act 2004. Vivienne previously worked in the UK Parliament for the Chair of the Education and Skills Select Committee,

and as a higher education policy specialist working on topics including quality, student experience, innovation and university-business links.

Vivienne is a member of the Board of the UK India Research and Innovation Initiative and the Strategic Partnerships in Higher Education Fund as well as a member of the British Council's Education Advisory Group. She is a graduate in English Literature from the University of Cambridge.

OVERVIEW OF THE UGPN COLLABORATIVE RESEARCH WORKSHOPS

DIGITAL INNOVATION AND APPLICATIONS

Workshop leads:

Professor Liqun Chen (Department of Computer Science, University of Surrey) and Professor Sue Bennett (School of Education, University of Wollongong)

We are living in the modern digital world. Digital innovations have changed and continue to change our lives. These innovations affect every aspect of our lives, changing the way that we learn, the way we communicate, and how we spend our leisure time. This one-day workshop gathers a group of scientists, educationalists, researchers and managers to discuss a broad range of digital innovations and their applications. We will share our experiences, exchange our opinions, learn from each other and look for areas of common interest where possible collaborations may develop.

For further information on this workshop please contact Professor Liqun Chen: liqun.chen@surrey.ac.uk

DELIVERING GLOBAL HEALTH AND WELLBEING

Workshop leads:

Professor Simon de Lusignan (Head of Department of Clinical and Experimental Medicine, University of Surrey) and Professor Siddhartha 'Sid' Thakur (College of Veterinary Medicine, North Carolina State University)

The UGPN Delivering Global Health and Wellbeing workshops will focus on four themes:

- 1 Early years development
- 2 Healthy Ageing
- 3 Global Health and Wellbeing in a 24 Hour Society
- 4 Healthy Living and Cancer.

The morning sessions will feature short

presentations which highlight the research on these themes within the network. The afternoon breakout sessions will offer delegates the chance to discuss how collaborations within and outside the network may drive forward the work within these themes and identify funding which may be leveraged by the network for further cutting-edge, collaborative research.

For further information on this workshop, please contact Professor Simon de Lusignan: s.lusignan@surrey.ac.uk

PRODUCING A SMARTER PLANET

Workshop leads:

Professor Richard Murphy, (Director of the Centre for Environment and Sustainability, University of Surrey), Professor Matthew Leach, (Centre for Environment and Sustainability, University of Surrey) and Professor Pascal Perez (Director of the SMART Infrastructure Facility, University of Wollongong)

This workshop will include a small set of presentations from UGPN partners to highlight current active research interests in their institutions and regions on the broad workshop theme. In addition, the workshop will include a focus on the special interest topic of 'Plastics in the Environment'. All speakers and participants should include this special topic as part of their planned contribution(s) so that the presentations, Q&A and the breakout sessions can capture and develop opportunities for collaborative research and teaching within the UGPN and our networks on all aspects of this important global issue (science, engineering policy, civil society responses).

The overall goal of the workshop is to inform partners on the current state-of-the-art of UGPN activity in this area and to identify strong opportunities for research, teaching and institutional collaboration in the special interest area of plastics in the environment and for other 'Smarter Planet' solutions.

For further information on this workshop, please contact Professor Richard Murphy: r.murphy@surrey.ac.uk

ENTREPRENEURSHIP AND ECONOMIC DEVELOPMENT

Workshop leads:

Professor MariaLaura Di Domenico (Surrey Business School, University of Surrey) and Professor Jon Carr (Poole College of Management, North Carolina State University)

The 'Entrepreneurship and Economic Development' workshop brings together leading researchers in the field from UGPN partner institutions. The morning session will be devoted to sharing examples of research and other activities that participants are undertaking through a series of short talks. These cover research areas such as social enterprise and social entrepreneurship, business innovation, women entrepreneurs, entrepreneurship and emotion, entrepreneurship education, and university-incubator partnerships. The afternoon session will be devoted to discussions of collaboration and joint project opportunities.

For further information on this workshop, please contact Professor MariaLaura Di Domenico: M.Didomenico@surrey.ac.uk

► Calendar of events

Sunday 8 April

18:00 – 19:00	Hotel Bar, Holiday Inn Hotel, Guildford	Informal drinks reception
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Monday 9 April

08:45	Holiday Inn Hotel Reception	Transfer departs for Stag Hill Campus
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09:00 – 09:30	Innovation for Health Building	Arrival and registration
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09:30 – 10:15	Innovation for Health Building	Welcome and open sessions <ul style="list-style-type: none"> • Welcome from Professor Max Lu <i>President and Vice-Chancellor, University of Surrey</i> • Welcome speeches from UGPN Vice-Chancellors • Review and future of UGPN • Highlights from the UGPN Research Collaboration Fund
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10:15 – 11:15	Innovation for Health Building	Keynote speaker Professor Derk-Jan Dijk <i>Director Surrey Sleep Research Centre</i> <ul style="list-style-type: none"> • The noble science of circadian rhythms and sleep
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Coffee break

11:45 – 12:30	Innovation for Health Building	Guest speaker Vivienne Stern <i>Director of Universities UK International</i> <ul style="list-style-type: none"> • International collaboration and funding opportunities
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Buffet Lunch, Wates House

14:00 – 15:30	Lakeside Private Dining Room	UGPN Executive Board Meeting
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Departing from Wates House entrance	Campus tours
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	Networking / individual meetings
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14:00 – 17:00	Innovation for Health Building	Early Years Research Workshop
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15:30 – 17:00	Lakeside Private Dining Room	UGPN Executive Meeting with Beihang University
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17:30 – 18:45	Rik Medlik Building foyer	UGPN Networking Reception Drinks reception for all delegates and invited guests
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18:45 – 21:00	Lakeside Restaurant	UGPN Welcome Dinner Formal dinner for all delegates and invited guests
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21:00	Transfer departs from Austin Pearce building bus stop	
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Tuesday 10 April – Workshops

08:45	Holiday Inn Hotel Reception	Transfer departs for Manor Park Campus
09:00 – 10:30	Veterinary School Main Building	Workshop 1 Digital Innovation & Applications
		Workshop 2 Delivering Global Health & Wellbeing
Coffee break 10:30 - 11:00		Workshop 3 Producing a Smarter Planet
		Workshop 4 Entrepreneurship & Economic Development
Buffet Lunch and PhD Poster Exhibition 12:30 – 14:00, Vet School Foyer		
14:00 – 17:00	Workshops continue (see venue above) with roundtable discussions ahead of feedback sessions on Wednesday.	Workshop 1 Digital Innovation & Applications
		Workshop 2 Delivering Global Health & Wellbeing
		Workshop 3 Producing a Smarter Planet
		Workshop 4 Entrepreneurship & Economic Development
17:00	Transfer departs from Vet School	

Free evening for delegates

Wednesday 11 April

09:00	Holiday Inn Hotel Reception	Transfer departs for Stag Hill Campus
09:30 – 10:30	Innovation for Health Building	Report back from workshops / breakout groups • Potential collaborative research projects
Coffee break		
11:00 – 11:45	Innovation for Health Building Open Session	Equality and diversity session • Presentation on Wollongong/Surrey strategic relationship and collaborations in Equality and Diversity policy and programmes, followed by Q&A
11:45 – 12:30	Innovation for Health Building Open Session	Closing session • Closing remarks from Professor Max Lu <i>President and Vice-Chancellor, University of Surrey</i> • Impressions and outcomes from conference • Handover to incoming chair of UGPN • Announcement of new call for proposals: UGPN Research Collaboration Fund
Buffet Lunch, Wates House		
14:30 – 15:30	Innovation for Health Building Open Session	• Roundtable discussion on research funding proposals and opportunities for collaboration
15:30 – 17:00	Innovation for Health Building	• Networking / individual meetings / bid writing
17:00	Transfer departs from Guildford School of Acting bus stop	

PHD POSTER EXHIBITION

On Tuesday 10 April a PhD Poster Exhibition will take place in the Veterinary School Main Building between 12:30 – 14:00, coinciding with the buffet lunch for delegates and guests. Select students have been invited to present a summary of their research in poster format and discuss their work, as well opportunities for potential collaboration, with academic staff. PhD students from all three University of Surrey faculties will present posters on their exciting research spanning topics including autonomous vehicles, dementia, nutrition, laws, media, digital innovation, and much more. Conference delegates are invited to engage with the students over buffet lunch to learn more about their work and possible synergies.



EQUALITY AND DIVERSITY

In this open session, Professor Julie Yeomans (Director of Equality, Diversity and Inclusion and Professor of Ceramic Materials) and Mr Michael Hassell (Equality and Diversity Advisor) at University of Surrey present their work on gender equality together with Lisa Ucles and Kate Lindenau from the University of Wollongong. The talk will focus on Athena SWAN – the higher education charter introduced in Britain over a decade ago and recently launched in Australia.



PROFESSOR JULIE YEOMANS
DIRECTOR OF EQUALITY, DIVERSITY AND INCLUSION AND PROFESSOR OF CERAMIC MATERIALS



LISA UCLES
MANAGER, STAFF SERVICES, HUMAN RESOURCES DIVISION UNIVERSITY OF WOLLONGONG

THE UGPN RESEARCH COLLABORATION FUND

The UGPN Research Collaboration Fund has been an integral part of the network since its inception. An annual call for proposals invites submissions from across the network, be they bilateral, trilateral or quadrilateral, supporting activities leading to high quality research collaborations. Funding of up to US\$10,000 (or the approximate AU\$, £, R\$ equivalent) per participating institution in each successful proposal is made available to successful applicants for travel and subsistence costs.

The RCF call 2018 will be announced following the UGPN Annual Conference in April.



ACCOMMODATION AND TRAVEL

THE FOLLOWING HOTEL IS RECOMMENDED FOR UGPN DELEGATES VISITING FROM OVERSEAS

THE HOLIDAY INN

Egerton Road
Guildford
GU2 7XZ

www.ihg.com

T: (+44) 0871 942 9036

This 4 star hotel is conveniently located between the Manor Park and Stag Hill University campuses and is easily accessible from London Gatwick and Heathrow airports using the A3. Delegates travelling by train can take a taxi from Guildford train station at approximately £10 for a single journey.

A preferential rate of £110 per person per night has been secured for all UGPN delegates staying at the Holiday Inn. This rate is for a double room, including Wi-Fi and breakfast. Please quote reference SF2 when making your booking.

TRANSFERS AND LOCAL TRAVEL

Transfers will be organised both in the morning and in the evening for UGPN delegates staying at the Holiday Inn Hotel. Please refer to the programme for further information on timings and pick up/ drop off locations.

The Holiday Inn is located in between University of Surrey's Manor Park and Stag Hill campus. Delegates may walk to either campus and should allow 20-25 minutes each way from the hotel. Those wishing to travel into Guildford town centre are advised to take a bus or a taxi, allowing approximately 15 minutes journey time.



TAXI COMPANIES

GM CARS

Station Building, Guildford Park Rd, Guildford
Surrey, GU2 7ND

T: 01483 566566

BEELINE TAXIS

Woodbridge Meadows, Guildford
Surrey, GU1 1BA

T: 01483 823232

A Campus map for both the Stag Hill (main) campus and the Manor Park campus can be found on the following pages. General Conference sessions on the Monday and Wednesday take place at the Innovation for Health Building (IFH) and Lakeside Restaurant on Stag Hill campus. Research workshops on Tuesday

will take place at the Veterinary School on Manor Park campus.

Transfers will be organised for all UGPN Partner delegates to and from the Holiday Inn Hotel each day. Those who prefer to walk should allow 25 minutes to reach either campus from the hotel.

Campus map



THE UNIVERSITY CAMPUS IS A LANDSCAPED, SELF-CONTAINED SITE JUST OUTSIDE GUILDFORD TOWN CENTRE.

- 1 Innovation for Health
- 2 Lakeside Restaurant
- 3 Holiday Inn
- 4 Veterinary School Main Building
- 5 Veterinary School Clinical Skills Centre

Central London is only 34 minutes away by train from the nearby station, and the major international airports at Heathrow and Gatwick are also both within easy reach.

Discover more by downloading our virtual reality app:

surrey.ac.uk/vr-app

surrey.ac.uk/campus-map





South-east England

- 34 minutes to London (by train)
- 30 minutes to Heathrow Airport (by car)
- 40 minutes to Gatwick Airport (by car)
- 50 minutes to the south coast (by car)



LOCAL INFORMATION

PLACES OF INTEREST

Guildford offers a vibrant blend of entertainment, culture and history. Lanes and side streets wind around the town to reveal parks, restaurants, theatres, shops, waterways and even a 900 year-old castle. Guildford Castle and its grounds are a popular attraction for visitors and residents alike. An atmospheric ruin, the castle has been partially restored and was first opened to the public in 1888. The gardens provide the town centre's main park, famous for their colourful floral displays and unique character.

To find out more visit:
guildford.gov.uk/visitguildford

London is easily reachable from Guildford. A direct train from Guildford station takes 34 minutes to reach London Waterloo, bringing you walking distance to the Houses of Parliament, Big Ben, the South Bank, the London Eye, the Tate Modern and Shakespeare's Globe.

For more information visit:
www.visitlondon.com

For train timetables visit:
www.nationalrail.co.uk

RESTAURANTS IN GUILDFORD

COTE BRASSERIE

5 Castle St, Guildford GU1 3UQ

T: 01483 579714

Modern French cuisine in a bistro environment, located on Market Street in Guildford town centre, next to the Castle.

PIZZA EXPRESS

237-241 High St, Guildford GU1 3BJ

T: 01483 300122

Reasonably priced pizza and pasta dishes in a modern restaurant, located at the top of the town centre.

RUMWONG RESTAURANT

20 London Rd, Guildford GU1 2AF

T: 01483 536092

Thai restaurant set in a traditional khan tok room where diners sit on cushions at low tables.

MARCH HARE

2-4 South Hill, Guildford GU1 3SY

T: 01483 401530

Spot-lit, split-level brasserie with stripped floors and a deck terrace, with a French and British menu.



Guildford Castle

USEFUL INFORMATION

THE SURREY SPORTS PARK

Surrey Sports Park, Richard Meyjes Road, Guildford GU2 7AD

T: 01483 689111

The Surrey Sports Park, located on Manor Campus, offers a state-of-the-art gym, Olympic-size swimming pool, squash, badminton and tennis courts, climbing wall, physiotherapy clinic, restaurant and on-site Starbucks for visitors and members. The Sports Park is a 10 minute walk from the Holiday Inn Hotel.

WI-FI ON CAMPUS

Visitors may connect to the University wireless service on campus via two methods:

- **eduroam**

Provides fast and secure wireless access at the University and thousands of other institutions that are part of the eduroam federation.

- **The_Cloud**

Provides simple, fast and reliable Wi-Fi for visitors at the University who are unable to use eduroam. Please open your internet browser, register for the cloud and sign in for Wi-Fi access..

Please use #UGPN on social media to share your thoughts, photos and feedback on the UGPN Annual Conference.

KEY CONTACTS

Security Office

University of Surrey

T: 01483 683333

(emergencies only)

GLOBAL ENGAGEMENT OFFICE, UNIVERSITY OF SURREY

Tom Windle

Global Partnerships
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Aqila Kaleem

Global Engagement
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UGPN PARTNER BIOGRAPHIES

North Carolina State University



Dr Warwick Arden
Executive Vice-Chancellor
and Provost

Dr Warwick Arden is North Carolina State University's Executive Vice Chancellor and Provost and has been in the position since December 2010. From July 2014 to February 2015, Arden concurrently served as interim senior vice president for the University of North Carolina system, comprised of 17 campuses serving more than 220,000 students.

Previously, Dr Arden served as interim provost since 2009, and as dean of NC State's College of Veterinary Medicine from 2004 to 2009. As provost, he is NC State's chief academic officer, reports to the chancellor, and collaborates with vice provosts, executive officers, college deans and others in the administration of all academic and student affairs. He has led numerous key campus initiatives, including the development and implementation of "The Pathway to the Future: NC State's 2011-2020 Strategic Plan," along with the university's recent reaffirmation of accreditation by the Southern Association of Colleges and Schools.

Dr Arden received a Bachelor of Science in veterinary sciences (DVM equivalent) and a diploma of veterinary clinical studies from the University of Sydney, Australia;

a Master of Science in physiology from Michigan State University; and a PhD in physiology and biophysics from the University of Kentucky. He has extensive experience in veterinary surgery, having served as department head and professor for the Department of Veterinary Clinical Medicine at the University of Illinois at Urbana-Champaign; associate professor of surgery and physiology and director of the Surgical Research Program at the University of Kentucky College of Medicine; and as assistant professor of surgery at both the University of Kentucky College of Medicine and Michigan State University College of Veterinary Medicine. He is also a member of several professional veterinary organizations and served as president of the Association of American Veterinary Medical Colleges.



Dr Bailian Li
Senior Vice Provost for
Global Engagement

Office of Global Engagement

Dr Bailian Li is the Senior Vice Provost for Global Engagement at NC State University. As the Chief International Officer for the University, he provides leadership for the University's overall mission of global

engagement in research, education, and economic development. He works closely with the Provost, Vice Provosts and Deans, faculty and staff to promote global perspectives into all functions of teaching, research, extension and engagement and to strengthen NC State's international presence in an ever-changing global society. He has administrative oversight for the Office of Global Engagement, the umbrella organization with ten units that provide NC State University faculty, staff, students and communities with the international knowledge, cultural understanding, skills and experience they need to succeed in the global economy. Under his leadership, NC State has made significant progress for campus

internationalization and won the Senator Paul Simon Award in 2014 for outstanding and innovative campus internationalization.

He is a professor of Forestry & Environmental Resources and previously served in various administrative positions at University of Minnesota and NC State University. His research projects involved quantitative genetics, forest genetics, biotechnology, genomics and tree improvement, and many of which have significant international dimensions and collaborations with scientists in different countries. He has extensive experience in developing effective international partnerships for student mobility, faculty research and joint academic exchanges.



Dr Richard M. Clerkin

Executive director of the Institute for Non-profits

Richard M. Clerkin, PhD, is the executive director of the Institute for Nonprofits at

NC State University where he leads a team of professional staff and students to be a community where ideas, resources, and support are devoted to strengthening the capacity of non-profit and social sector organizations in NC and beyond. He also serves as Professor in the Department of Public Administration at NC State University. He teaches classes in public administration and non-profit studies at the undergraduate, masters, and doctoral levels. His research interests focus broadly on understanding why people voluntarily contribute to the

common good and on the challenges and opportunities in a systems approach to building non-profit capacities in the Triangle region of North Carolina. In addition to his research published in various peer-review and professional journals, he is co-author of the leading public administration textbook, *Public Administration Understanding Management, Politics, and Law in the Public Sector*, and also engages in public education with periodic op-ed articles on issues impacting the non-profit and social sector in North Carolina and beyond.



Professor Henry Lamb

Professor of Chemical and Biomolecular Engineering

Professor Henry Lamb received his bachelors degree in Chemical Engineering from North Carolina State University (1982)

and his PhD in Chemical Engineering from the University of Delaware (1988). He joined the faculty of the Department of Chemical Engineering at NC State in 1987, and he received a National Science Foundation Presidential Young Investigator Award in 1989. Lamb was promoted to Professor of Chemical and Biomolecular Engineering (CBE) in 2007. His areas of expertise include heterogeneous catalysis, surface science and chemical/biochemical reaction engineering. His research addresses fundamental and applied aspects of heterogeneous catalysis.

Lamb is recognized for applied catalysis for biomass conversion and in situ spectroscopic characterization of catalysts using x-rays. His teaching interests include chemical kinetics, surface science and bioreactor design and scale-up. He developed two bioreactor engineering courses: CHE 447 Bioreactor Engineering (for CBE students in the Biomufacturing and Biomolecular Concentrations) and CHE/BEC 488 Animal Cell Culture Engineering. Lamb has also taught industrial short courses on bioreactor design and operation for monoclonal antibody production.



Elizabeth Benefield

Elizabeth Benefield, MA, is beginning her fifth year at NC State as Program Director of Social Entrepreneurship and Innovation at the Institute for non-profits. She is leading a

campus wide effort to create and nurture a strong social innovation campus ecosystem, and build vital external partnerships with social sector leaders and organizations to empower students to use their unique skills to become engaged citizens of the world. She led the design and launch of the NC State Social Innovation Fellows in fall 2017 and manages all operations.

Prior to coming to NC State, Elizabeth spent fifteen years as a consultant to non-profits and social sector organizations in

fundraising, and ten years prior as Director of Development and Assistant Dean for the UNC-Chapel Hill School of Social Work. Passionate about blending the expertise of diverse sectors, she launched a social enterprise, the Rosie Group, to help non-profits innovate in the areas of sustainability and social entrepreneurship. Elizabeth co-authored the book, *Building a Strong Foundation: Fundraising for Nonprofits*. She loves to travel, practice yoga and champion social justice, especially for women and girls.

UGPN PARTNER BIOGRAPHIES

North Carolina State University



Professor Michael Steer
Lampe Distinguished Professor of
Electrical and Computer Engineering

Professor Michael Steer is the Lampe Distinguished Professor of Electrical and Computer Engineering at North Carolina State University (NC State). He is a Fellow of the IEEE (the Institute of Electrical and Electronics Engineers) and elected member of the Administrative Committee of the IEEE Microwave Theory and Techniques Society. He has authored more than 485 refereed publications and 4 books. He was Secretary of the IEEE Microwave

Theory and Techniques Society (MTT-S) in 1997 and was a member of the MTT-S Administrative Committee from 1998 to 2001, and from 2003 to 2006. He received a Service Recognition Awards from the Society in 1998 and 2001. He is a former Editor-In-Chief of the *IEEE Transactions on Microwave Theory and Techniques*.

He received the Presidential Young Investigator Award in 1986, the Alcoa Foundation Distinguished Research Award from NC State's College of Engineering in 2003; he was the Jack S. Kilby Lecturer in 2003; and in 1994 and 1996 received the Bronze Medallion from U.S. Army Research for Outstanding Scientific Accomplishment. In 2007 he received a Distinguished Service Recognition Award from IEEE MTT-S. In 2009 he received an Army Medal, the "Commander's Award For Public Service." He received the 2010 Microwave Prize for the best paper

on Microwave Engineering in any IEEE Publication in the preceding year. In 2011 he received the Distinguished Educator Award from IEEE/MTT-S, was inducted into the Electronic Warfare Technology Hall of Fame sponsored by the Association of Old Crows, and was named one of the Most Creative Teachers in the South by Oxford American Magazine. In 2013 he received the R.J. Reynolds Award for Excellence in Teaching, Research, and Extension from the College of Engineering at NC State University. In 2017 he received the Alexander Quarles Holladay Medal from NC State University. This is the highest award made by the university in recognition of faculty career achievements. He has led three Multidisciplinary University Research Innovation (MURI) projects which are large projects funded by the US Department of Defense at \$7M and involve multiple universities.



Professor Jon C. Carr
Jenkins Distinguished Professor of
Entrepreneurship

Jon C. Carr is the Jenkins Distinguished

Professor of Entrepreneurship at North Carolina State University. He is currently an Associate Editor for *Family Business Review*, which is the top academic journal for family business and family business system topics. His research focuses on psychological aspects of entrepreneurship and family business, to include topics such as work-family conflict, human and social capital, and serial entrepreneurship. His additional interests include employee innovation and

creativity, and the role of business model innovation within small, entrepreneurial firms. His research has appeared in *Academy of Management Journal*, *Journal of Management*, *Journal of Applied Psychology*, *Strategic Entrepreneurship Journal*, and *Entrepreneurship Theory and Practice*. He has served as a special issue editor for several journals, to include *Entrepreneurship Theory and Practice*, *Journal of Management Studies*, and *Family Business Review*.



Professor John Gilligan

Distinguished University Professor of Nuclear Engineering

Executive Associate Dean for the College of Engineering

Dr John G. Gilligan is Distinguished University Professor of Nuclear Engineering at North Carolina State University and Executive Associate Dean for the College of Engineering (Chief Operating Officer for the College). In addition, Dr Gilligan serves as the first and only Director of the Nuclear Energy University Program

(NEUP) Integration Office for the US Department of Energy since 2008. The NEUP competitively awards contracts to universities to conduct peer-reviewed research in support of the development of commercial nuclear energy.

Professor Gilligan has authored over 120 peer reviewed publications in areas such as high power density plasmas and launchers, plasma-material interactions, nuclear systems, nuclear fusion, computational transport methods and engineering education. He has chaired or co-chaired 17 Doctoral committees and many Master's committees. Dr Gilligan has edited and published the Nuclear Science and Engineering Education Sourcebook since 1986 on behalf of the American Nuclear Society and the US DOE, and has served on a number of external Boards of Directors including the American Society for Engineering Education, UT-Battelle

(Oak Ridge National Lab), Battelle Energy Associates (Idaho National Lab), the National Institute for Aerospace (NIA), and the Research Triangle Institute-International (RTI). He was also the founding Education Director for the US-DOE Nuclear Modelling and Simulation Hub for the Design of Light Water Reactors (CASL).

Professor Gilligan is the former University Vice Chancellor for Research and Graduate Studies at NC State University. Previously Dr Gilligan had served at the Dean level in the 11,000 student NCSU College of Engineering and also as NCSU Interim University Vice Chancellor for Extension and Engagement. Professor Gilligan earned his bachelors degree in Engineering Sciences Engineering from Purdue University and his M.N.E and PhD degrees in Nuclear Engineering from the University of Michigan-Ann Arbor.



Professor Amy Halberstadt

Amy Halberstadt received her PhD from

the Johns Hopkins University, and is Professor of Psychology at North Carolina State University. Funded by NICHD, NSF, and the WT Grant Foundation, she studies socio-emotional development, with a focus on parental and cultural socialization of children's emotion experience, expression, and understanding, and subsequent impact on children's coping and sibling/peer relationships. Her model of affective social competence (with Denham &

Dunsmore) is now a classic in the field. In terms of measurement, she has contributed questionnaires on children's gender roles, family expressiveness, and beliefs about emotions and also measures of emotion understanding and anger bias to the field. Her most recent work explores racial bias in understanding adults' and children's emotions and also children's misbehaviors in schools.

UGPN PARTNER BIOGRAPHIES

North Carolina State University



Dr Jodi Hall

Assistant Professor of Social Work

Dr Jodi Hall is currently an Assistant Professor of Social Work at North Carolina State University. Her commitment to science and humanity bring her to the forefront of transdisciplinary clinical

research that addresses chronic health conditions that disproportionately impact African American and Hispanic populations. Dr Hall's education and professional social work practice provided her a frontline view of disparities that plague medically underserved communities and help to inform her research.

As a member of the Centre for Human Health and the Environment (CHHE), whose mission is to understand how human health is impacted by environmental factors, she engages education, research, and critical

conversations that enhance opportunities to reduce the adverse impacts of environmental factors in human health through interdisciplinary research. Her research agenda focuses on intergenerational clinical interventions to impede the development of chronic diseases. Dr Hall's strong community engagement and experience recruiting minority participants add essential value to transdisciplinary health research. Currently, she is Principal Investigator of a Health Resources and Services Administration (HRSA) behavioral health grant and has generated over \$3m in federal funds over a four year period.



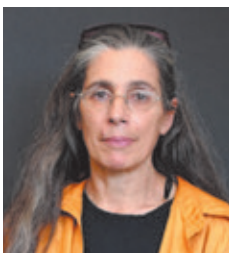
Dr Cathrine Hoyo

Associate Professor of Epidemiology in the Department of Biological Sciences

Dr Cathrine Hoyo, PhD, is an Associate Professor of Epidemiology in the Department of Biological Sciences at

North Carolina State University. She is the co-Director of the Integrated Health Sciences Facility Core in the Center for Human Health and the Environment and Director of Epidemiology and Environmental Epigenomics Laboratory. Her research program aims to improve our understanding of how early development influences risk of common chronic diseases, especially those that exhibit racial/ethnic differences in incidence and/or mortality, including cardiovascular and metabolic diseases and some cancers. To accomplish this, her group has taken a two pronged approach. We have developed and continue to follow

a cohort of newborns to identify stable epigenetic targets that are acquired early, are mitotically heritable and are associated with known risk factors for early subclinical indicators of cardiovascular and metabolic dysfunction, including pre-hypertension, accelerated adiposity gains and frank obesity as such markers can serve as stable risk markers useful for early detection of exposure. Her group also conducts population-based case control studies in adults to determine if identified epigenetic targets are associated with risk of these cardio-metabolic risk and these cancers in adulthood.



Dr Sophia Kathariou

Professor in the Department of Food Bioprocessing and Nutrition Science

Dr Sophia Kathariou, Professor in the Department of Food Bioprocessing and Nutrition Science is originally from Greece (and is in fact still a citizen of Greece), with her BA in Biology from Austin College, Sherman, TX (1975) and PhD in Genetics from the University of California, Berkeley (1981). Sophia’s lab focuses on the evolution, ecology, genetics and adaptations of bacterial foodborne pathogens, especially *Listeria* and

Campylobacter. Areas of special interest include emergence and dissemination of pathogenicity islands and antimicrobial resistance genes, genes mediating host preference and virulence in bacterial food and water-borne pathogens, and mechanisms mediating pathogen virulence and persistence. Sophia is also responsible for the courses Food Microbiology (FS 405/505, MB 405/505) and Food Ethics (FS 580).



Dr Chantell LaPan

Director of Global Research in the Office of Global Engagement

Dr Chantell LaPan is the Director of Global Research in the Office of Global Engagement and an Adjunct Assistant Professor in the Department of Parks, Recreation and Tourism Management.

She works with faculty to pursue international research opportunities at NC State. Her research focus is on micro-entrepreneurship and tourism, with particular attention to gender, indigenous issues, rural tourism development,

and social justice. Chantell received a PhD in Parks, Recreation and Tourism Management and a Master of International Studies Degree from North Carolina State University as well as a BA in Anthropology from the University of North Carolina at Chapel Hill. Her international experience includes work in Ghana and Guatemala.



Dr Eric Money

Associate Director of Professional Education, Director of Graduate Programs, and Assistant Professor of Geospatial Analytics in the Centre for Geospatial Analytics

Dr Eric Money is currently the Associate Director of Professional Education, Director of Graduate Programs, and Assistant

Professor of Geospatial Analytics in the Center for Geospatial Analytics at North Carolina State University where he conducts education and applied research in the areas of geospatial science, Geographic Information Systems and geospatial analytics. Dr Money’s education research focuses on online/distance education, curriculum development, and pedagogy to better understand how digital innovation and advanced technologies can be incorporated into educational experiences at all levels.

Dr Money also has over 15 years of experience in the areas of environmental modeling and decision making under uncertainty, with a focus on human/

environment interactions from a public health perspective, with broad experience in geostatistical mapping and visualization of environmental, health, and social phenomenon, with a particular emphasis on spatial epidemiology and human/ecological risk assessment surrounding water related issues of resource, quality, and access, along with spatially-explicit decision support systems. Dr Money has a Bachelor of Science in Biology and Environmental Studies from Wake Forest University, and a Master of Science in Environmental Management and Policy and PhD in Environmental Sciences and Engineering from the Gillings School of Global Public Health at the University of North Carolina-Chapel Hill.

UGPN PARTNER BIOGRAPHIES

North Carolina State University



Dr Melissa Pasquinelli

Associate Professor in Fiber and Polymer Science, Textile Engineering, and Polymer and Color Chemistry

Dr Melissa Pasquinelli is an NC State University Faculty Scholar, NC State University Alumni Distinguished Undergraduate Professor, and an

Associate Professor in Fiber and Polymer Science, Textile Engineering, and Polymer and Color Chemistry at North Carolina State University, where she enjoys balancing her professional time between teaching and mentoring budding engineers and scientists and working on scientific research projects. Her research team is working on developing and utilizing computational tools for investigating nanoscale science and engineering applications, such as developing “smart” and multifunctional materials.

Dr Pasquinelli teaches a variety of courses each year at the undergraduate

and graduate levels on topics such as computer modeling, sustainability in materials design, and engineering thermodynamics. She received her PhD in theoretical chemistry from Carnegie Mellon University, and she received her BSc with honors and minors in writing and mathematics from Seton Hill University, a former women’s college in Greensburg, PA. The focus of her research is to develop and apply simulation techniques “from the nanoscale” to optimize the properties of soft materials, starting from the molecular building blocks (nanoscale, 10-9m) and working toward the microscopic (~10-6 m) and macroscopic (>>10-6 m) scales.



Dr Jon P. Rust

Distinguished Undergraduate Professor of Textile Engineering and the Interim Associate Dean for Academic Programs in the College of Textiles

Dr Jon P. Rust is Alumni Distinguished Undergraduate Professor of Textile

Engineering and the Interim Associate Dean for Academic Programs in the College of Textiles. The College of Textiles is the leading institution of its type in the world and produces over half of the doctorates in its field in the United States.

Dr Rust received his bachelors degree in Mechanical Engineering from Clemson University. In August of 1990, he received a Ph.D. in Fiber and Polymer Science from North Carolina State University and was promoted to Assistant Professor. Prior to being named Interim Associate Dean, he has served as Department Head of Textile Engineering, Chemistry and Science and is also serving as Interim Director of Zeis Textiles Extension since December 2014.

He also served as Interim Associate Dean for General Education Implementation for the Division of Undergraduate Academic Programs during the 2008 – 2009 academic year.

As a faculty member, Dr Rust has taught courses in many aspects of Textile Engineering but primarily in fibre and polymer science, fiber to yarn conversion, and senior design. His teaching awards include the Gertrude Cox Award for Innovative Excellence in Teaching and Learning with Technology, the Alumni Distinguished Undergraduate Professor Award, and he is a three-time College of Textiles Board of Governors Award nominee.



Dr Andy Stringer

Director of Global Health Education and Clinical Assistant Professor in the College of Veterinary Medicine

Dr Andy Stringer graduated with a veterinary degree from the University of Liverpool in 2005, and has spent time volunteering for a veterinary charity in

Morocco, completing an equine internship and in equine ambulatory practice. Dr Stringer returned to the University of Liverpool in 2007 to study for a PhD focused on evaluating the efficacy of knowledge-transfer interventions for communicating animal health messages to rural farmers in Ethiopia using a large randomized controlled trial. Dr Stringer joined a British non-governmental organization in 2010 as Director of Veterinary Programs where he was responsible for managing the organization’s global veterinary programs aimed at improving the health and welfare of working animals. In June 2015, Dr Stringer took up position as Director of

Global Health Education and Clinical Assistant Professor in the College of Veterinary Medicine, NC State.

Dr Stringer is also the current Director of the Global Health Initiative in the Office of Global Engagement at NC State, and also holds a position as an Honorary Lecturer in International Animal Health at the Institute of Infection and Global Health, University of Liverpool. Dr Stringer is the founder and principal investigator of the Health and Livelihoods (HEAL) group (www.healgroup.org). The HEAL Group studies a range of issues focused on the interface of health and livelihoods in Sub-Saharan Africa utilizing a One Health approach.



Dr Siddhartha “Sid” Thakur

Associate Professor in the College of Veterinary Medicine

Dr Siddhartha “Sid” Thakur is an Associate Professor in the College of

Veterinary Medicine at North Carolina State University. He is also the Associate Director at the Comparative Medicine Institute where he leads the Emerging and Infectious Diseases Research program. He received his Bachelor of Veterinary Science and Animal Husbandry from Gobind Ballabh Pant University of Agriculture and Technology (Udham Singh Nagar, India) and Master of Veterinary Science in Veterinary Public Health at the Indian Veterinary Research Institute (Izatnagar, India). He earned his PhD in Population Medicine at the College of

Veterinary Medicine, NC State University.

Prior to joining the faculty at NC State University, Dr Thakur was an Oakridge Research Fellow at Centre for Veterinary Medicine, FDA, Maryland. He espouses the concepts of “One Health” and seeks to understand how antimicrobial resistance develops in “superbugs” that affect animal and human health. He has won numerous awards including the Larry Beuchat Young Researcher Award by the International Association for Food and the International Global Engagement award by NC State.



Mr David Dixon

Director of Global Partnerships, Office of Global Engagement

David Dixon is the Director of Global Partnerships in the Office of Global Engagement at NC State. His work involves strategic partnership development and efforts to expand and strengthen collaboration with academic and research institutions around the world. He serves to facilitate inter-institutional connections through relationship-building and program development. He enjoys working with faculty, staff and colleagues on campus

to expand international programs at NC State and liaises with counterparts across NC State’s network of international partner institutions. David is a native of North Carolina and has lived and studied overseas at University College Cork in Cork, Ireland. He received a BA from Campbell University in Government and a Master of International Studies degree from the School of Public and International Affairs at NC State.

UGPN PARTNER BIOGRAPHIES

University of São Paulo



Professor Vahan Agopyan
Rector of the University of São Paulo

Professor Agopyan was elected Eminent Engineer by the Engineering Institute of São Paulo in 2004. He graduated in civil engineering from the Polytechnic School of the University of São Paulo (Poli-USP) in 1974 and has held various senior positions throughout his career. His previous roles include Vice Rector of the University of São Paulo, as well as Provost for Graduate Studies and Dean

of the Polytechnic School for USP, CEO of the Technological Research Institute of the State of São Paulo and Vice President of the International Council for Research and Innovation in Building and Construction (CIB). His research experience in civil construction is mainly focused on materials and components, working mainly with fibre-reinforced materials on the quality and sustainability of construction.



Professor Raul Machado Neto
Provost for International Cooperation,
University of São Paulo

Professor Raul Machado Neto graduated in Agronomic Engineering from Higher School of Agriculture Luiz de Queiroz (Esalq), in 1973, and has a master's degree in Animal Science and Pastures from the same school. He has also a PhD degree in Animal Physiology from the University of Illinois at Urbana - Champaign (1980).

Full professor at the University of São Paulo since 1997, he was an Assistant of the Provost for Research, Coordinator

of the international threefold doctorate program between ESALQ, Rutgers University and the Ohio State University, coordinator of the FIPSE / CAPES Program between USP / UFRGS and Rutgers University / The Ohio State University, member of CONAIC, CNPq and Vice-President of ESALQ.



Dr Graziella Maria Comini

Dr Graziella Maria Comini is an Economist, with a masters and PhD in Administration from the Faculty of Economics and Administration of the University of São Paulo. She is also the Coordinator of the Graduate Program in Administration of FEA / USP, Associate Professor of the Department of Administration of the FEA / USP, in the area of People Management,

Coordinator of the Center for Social Entrepreneurship and Administration of the Third Sector and Representative of Brazil in the SEKN Social Enterprise Knowledge Network. Her research projects cover the following topics: hybrid organizations, social business, social innovation, people management and social responsibility.



Dr Roberta Kronka

Dr Roberta Kronka holds a degree in Architecture and Urbanism from the University of São Paulo, a Master's degree in Energy in the Postgraduate Inter-units Program in Energy from the University of São Paulo and a doctorate in Urban Environmental Structures at the Faculty of Architecture and Urbanism of the University of São Paulo. She has extensive experience in the area of architecture and

urbanism technology, in the sub-area of environmental comfort, working mainly in the following subjects: ergonomics, sustainability, environmental impact and performance.



Dr Ricardo Nakamura

Dr Nakamura performs and supervises research on digital games at the Interactive Technologies Laboratory, and has been conducting research on games since 2001. Currently, his two research interests are user experience in games and generative game design. The former includes assessment of user experience in games with novel interactive technologies, and the role of user experience in games for

health and education. The latter includes adaptative techniques applied to games, as well as generative design methods applied to games.



Dr Helena Ribeiro

Dr Helena Ribeiro is the Director of the School of Public Health at the University of São Paulo and scientific editor of the journal Saúde e Sociedade. She has experience in geosciences, with emphasis on geographic climatology, working mainly in the following subjects: environment, São Paulo, environmental health, health geography, air pollution and city.

UGPN PARTNER BIOGRAPHIES

University of Wollongong



Professor Paul Wellings, CBE
Vice-Chancellor

Professor Paul Wellings joined the University of Wollongong as Vice-Chancellor in January 2012. Prior to his current role, Professor Wellings held the position of Vice-Chancellor of Lancaster University from 2002-2011.

Educated at the Universities of London, Durham and East Anglia, Professor Wellings began his career as a NERC

Research Fellow and moved to Australia as a research scientist at the Commonwealth Scientific and Industrial Research Organisation (CSIRO), becoming Chief of the Entomology Division in 1995. From 1997 to 1999 he was Head of the Innovation and Science Division, Department of Industry, Science and Resources, Canberra. In 1999 he returned to the CSIRO as Deputy Chief Executive.

He has extensive board experience as a Director of the Australian Nuclear Science and Technology Organisation, the Australian Centre for International Agricultural Research, and the Cumbrian Rural Regeneration Company. In 2006 he was appointed to the board of Universities UK (UUK) and Chair of UUK's International and European Policy Committee, and the Higher Education Funding Council

for England and Chair of HEFCE's Research and Innovation Committee. He is currently a board member the University of Wollongong, Dubai, a Trustee of Guangdong University of Foreign Studies, China, and a Director of the Illawarra Health and Medical Research Institute. Professor Wellings also serves on the Australian Research Council Advisory Committee, the NSW Innovation and Productivity Council, the Global Foundation Advisory Council and the Bundanon Trust Board.

Professor Wellings was appointed Commander of the British Empire (CBE) in the 2012 Queen's Birthday Honours list for services to higher education. He received an Honorary DSc from Lancaster University in 2014.



Professor Judy Raper
Deputy Vice-Chancellor
(Research & Innovation)

Professor Judy Raper was appointed Deputy Vice-Chancellor (Research & Innovation) at UOW in July 2008. Professor

Raper previously was the Division Director of Chemical Bioengineering, Environmental and Transport System at NSF. Prior to this secondment, she has been Department Chair, Chemical & Biological Engineering at the Missouri University of Science and Technology (2006) and Dean of Engineering at the University of Sydney (1997-2003).

Professor Raper has an impressive research background in chemical engineering and is the recipient of a number of prestigious awards (including the Sheddon Pacific Award for the most

outstanding young chemical engineer in Australia in 1992 and the Professional Engineer of the Year in 1998). In 2003 her contribution to the engineering profession in Australia was recognised by election to the Australian Academy of Technological Sciences and Engineering and as an Honorary Fellow of the Institution of Engineers Australia.

Her research interests are focused on particle technology, especially the characterisation of fine particles and how their characteristics affect pollution control and industrial process.



Dr Shamika Almeida
Senior Lecturer, School of
Management Operations and
Marketing, Faculty of Business

Dr Almeida's research expertise is in skill utilisation of employees, employment barriers and success factors for skilled immigrants, employee wellbeing and corporate behaviour.



**Associate Professor
Thomas Astell-Burt**

Associate Professor of Public Health and Population Health, School of Health and Society, Faculty of Social Sciences
NHMRC Boosting Dementia Research Leadership Fellow (2017-2021)

Associate Professor Astell-Burt's research is located at the interface between population, wellbeing and environmental studies using a range of quantitative approaches (e.g. multilevel modelling, longitudinal data analysis, geographic information systems). His recent work has involved analysing sources of health, demographic and spatial data to enhance understandings of how where people live shapes their health, lifestyles and wellbeing.

He leads an NHMRC-funded research project which focuses on diabetes prevention and care and is working on several projects with The Australian

Prevention Partnership Centre and China's National Center for Chronic and Non-communicable Disease Control and Prevention.

He is the Co-Director, of the UOW Population Wellbeing and Environment Research Lab (PowerLab) and is an Honorary Associate Professor, Menzies Centre for Health Policy, University of Sydney.



Professor Sue Bennett

Professor and Head of School, School of Education, Faculty of Social Sciences

Professor Sue Bennett's area of expertise is in information and communication technologies in education. Her research investigates how people engage with technology in their everyday lives and in educational settings. She has extensive experience in the design, development and evaluation of multimedia and on-line instructional materials developed for both university and commercial clients.

Prior to joining the UOW team, Professor Bennett managed the Interactive Multimedia Unit at Central Queensland University. She previously held positions at Griffith University, the Australian National University and the University of Canberra.



**Associate Professor
Karen Charlton**

Associate Professor (Nutrition and Dietetics), School of Medicine, Faculty of Science Medicine and Health

Associate Professor Charlton is a nutritional epidemiologist who is Public Health Nutrition domain leader in the Nutrition & Dietetics programme, School of Medicine. She works at the interface between clinical care, primary care and public health and has extensive international experience in research into translation of research into policy.

Her research interests include diet and lifestyle interventions across the lifespan, including ageing in developing countries. Her work on iodine nutrition spans

from the role of iodine fortification and supplementation on pregnancy outcomes to the link between cognition and iodine in older adults. On a population level, Professor Charlton works on strategies to lower blood pressure and was instrumental in providing evidence for mandatory regulation for salt target levels in various foods in South Africa.

UGPN PARTNER BIOGRAPHIES

University of Wollongong



Professor Paul Cooper

Professor, Faculty of Engineering and Information Sciences
Director, Sustainable Buildings Research Centre (SBRC)

Professor Paul Cooper is the founding Director of UOW's Sustainable Buildings Research Centre. Paul has been involved in a wide range of research on sustainable buildings, renewable energy systems, energy efficiency and fluid mechanics over the past 35 years. He holds a bachelor in Electrical Engineering, a masters in Science and Technology Studies and a PhD in Heat Transfer, all from Imperial College London.

Professor Cooper was the Faculty Advisor and lead academic on the winning Team UOW Solar Decathlon China 2013 campaign. Team UOW were not only the first Australian team ever to win entry to the finals of a Solar Decathlon, but they also won this first competition in Asia, and they continue to hold the world record for the highest number of points scored by any team in the history of all Solar Decathlon competitions around the world.



Associate Professor Xiaoqi Feng

Associate Professor of Epidemiology, School of Health and Society, Faculty of Social Sciences

Associate Professor Xiaoqi Feng's research and teaching is multidisciplinary and policy driven, leveraging synergies between public health, geography and economics to enhance understandings of health and wellbeing.

She is particularly interested in children's environmental health and uses Geographic Information Systems (GIS) and multilevel models to analyse sources of epidemiological, spatial

and administrative data.

Associate Professor Feng has earned over AUD\$4 million in research funding, including leading roles on grants from the National Health and Medical Research Council, the National Heart Foundation and Horticultural Innovation Australia.

She is Founding Co-Director of the UOW Population Wellbeing and Environment Research Lab (PowerLab).



Dr Martin Gold

Senior Lecturer, School of Accounting, Economics and Finance, Faculty of Business Research Centre

Dr Martin Gold joined UOW in 2003 following a successful professional career as a fund manager and investment analyst. His PhD thesis titled Fiduciary Finance (later published by Edward Elgar) – a multidisciplinary exposition – critiqued the intellectual foundations of institutional investment, and the interaction of financial institutions and markets.

Dr Gold's more recent applied research focuses upon industry innovation (the 'FinTech' phenomenon within financial services) and how the principles of safety science employed in high-risk domains (health, critical infrastructure and aviation) may be appropriated to improve outcomes for stakeholders and inform better regulatory design.



**Associate Professor
Robert Gorkin III**

Associate Professor and Research Fellow at Intelligent Polymer Research Institute (IPRI), Australian Institute of Innovative Materials (AIIM)

Associate Professor Robert Gorkin's research focuses on advancing micro and nano technologies for practical use in healthcare, energy and industrial applications. He has a diverse background with a strong grounding in BioMEMS and Lab-on-a-Chip platforms, which includes experience in medical device design and fabrication for analysis systems based on molecular, immunoassay and cell-based diagnostics.

Currently, his work includes establishing fundamentally new material processing methods for novel polymers and biomolecules. These projects are based on state-of-the-art inkjet, extrusion, spray coating and other deposition techniques and have a wide spectrum of utilisation in such areas as automotive, solar, and bionics.



**Associate Professor
Jane Herbert**

Associate Professor in Developmental Psychology, School of Psychology, Faculty of Social Sciences
Associate Professor Herbert conducts

experimental research in cognitive and developmental psychology, specialising in understanding and facilitating young children's learning and memory abilities. Her research considers how maturation and environmental experiences impact on the child's developing brain and cognitive abilities, and on parent-child interactions.

Associate Professor Herbert is an international expert on how young children begin to recall and use knowledge in new situations, and how

we can provide young children with more flexible, and ultimately more useful, knowledge.

She also works within multidisciplinary and international research teams, developing and evaluating resources for the enhancement of parental knowledge on child health behaviours and for medical education programmes for children and families. She previously held a position at the University of Sheffield, UK.



Dr Hassan Hosseinzadeh

Senior Lecturer (Health Promotion), School of Health and Society, Faculty of Social Sciences

Dr Hassan Hosseinzadeh is the leader of the health promotion program at UOW.

He has extensive experience in multi-disciplinary research in health education and promotion. His research interests are health literacy, patient activation, chronic disease self-management and primary care.

He is currently collaborating with many national and international research groups on chronic disease self-management in primary care setting

UGPN PARTNER BIOGRAPHIES

University of Wollongong



Professor Michael Lerch

Professor and Head of School, School of Physics, Faculty of Engineering and Information Sciences

Professor Michael Lerch is a Founding Member of the Centre for Medical Radiation Physics (CMRP) at UOW,

where he is currently Professor and Head of the School of Physics. He is Leader of the Radiation Detection and Instrumentation Theme within the CMRP.

Professor Lerch applies his expertise of electronic properties of semiconductors to the design and development of novel, solid state based sensors and instrumentation for application in radiation medicine. He has played a major role in the development of a real-time, solid state radiation dosimetry system with micron-scale spatial resolution

for the Australian Synchrotron and the European Synchrotron Radiation Facility.

He is particularly interested in the optimisation of radiation medicine created by the physical and semiconducting properties of engineered nano-ceramics and semiconductor devices in different radiation field environments (e.g. photons or charged particles) and in the real-world implementation and application of real-time devices designed to operate in vivo from a targeted diagnostic imaging and radiotherapy point of view.



Miss Kate Lindenau

Workforce Diversity Officer, Recruitment, Human Resources Division

Kate's career spans over 20 years in both government and non-government organisations in project based administration. Kate has worked for large multinational companies in the aviation and coal mining industries, as well as several years in the education sector.

Her keen interest in diversity and inclusion, and gender equity led her to her current role as Workforce Diversity Officer at the University

of Wollongong. Kate joined the University in October 2017 to oversee the Science in Australia Gender Equity (SAGE)/Athena SWAN application, which focuses on gender equity in the STEMM disciplines.



Sally McNeill

Major Research Initiatives Officer, Research Services Office, Research and Innovation Division

Sally McNeill has been working in research management for several years; joining the Research Office late last year as the Major Research Initiatives Officer. In this role she is responsible for initiating and supporting strategic development activities for major research funding initiatives, including large scale collaborative research ventures, to maximise researchers' potential for success.

She has a strong background in scientific research, management and policy. Having worked across government, industry and the higher education sectors, as a practicing researcher and research administrator, she is able to bridge the interface of research and policy influence and impact.



Associate Professor Grace McCarthy

Dean, Sydney Business School,
Faculty of Business

Australian Health Services Research
Institute, Sydney Business School

Having worked for many years in industry, including as European Director of Customer Service of a manufacturing multinational company, Grace enjoys blending real-life experience with academic rigour. Associate Professor McCarthy completed her PhD at UMIST (Manchester) on leadership and also completed projects on innovation in SMEs in UK, Spain and Norway.

Associate Professor McCarthy is a UOW accredited Peer Reviewer of

Teaching and is particularly interested in challenging and interactive learning sessions, learning from her students, and authentic assessments. From 2007 to 2013, Grace directed the Doctor of Business Administration and in 2008, introduced the Master of Business Coaching, one of very few Masters programs in the world with a focus on Business Coaching.

Associate Professor McCarthy is Dean of UOW Sydney Business School, which offers a range of postgraduate business courses.



Professor Pascal Perez

Senior Professor and Director, SMART
Infrastructure Facility, Faculty of
Engineering and Information Sciences

Senior Professor Pascal Perez is a world leader in participatory modelling of complex systems. He is the co-editor of ‘Complex Science for a Complex World – Exploring Human Ecosystems with Agents’ (ANU-E-Press).

Before joining the University of Wollongong, he has been a Team Leader at CSIRO and an Associate Professor at the Australian National University as well as having 20 years-

experience working in South East Asia, Western Africa, Pacific Island Countries and Australia.

He is responsible for the management and delivery of all aspects of infrastructure modelling and simulation at UOW’s SMART Infrastructure Facility. As Director he is responsible for SMART’s academic governance and for establishing strategic scientific partnerships in Australia and beyond.



Ms Melissa Ryan

Senior Manager, iAccelerate
Programs, Innovation and Commercial
Research, Research and Innovation
Division

Melissa Ryan is a passionate marketing and communications executive with the ability to turn strategy into business outcomes. Working in blue chip organisations such as Nestle, Citigroup and News Corp she has a strong background in product development, project management, marcomms, relationship building and business strategy.

Melissa began her role at UOW seven years ago with the primary focus to develop the iAccelerate concept from idea stage to the delivery of a fully-fledged startup accelerator / incubator

and program on UOW’s Innovation Campus. She has worked on all facets of the project from the development of the brand, the engagement strategy, education program, securing \$16.5M in state government funding and delivering the \$10M seed fund.

Melissa has also worked as part of UOW’s Innovation and Commercial Research team to implement business and marketing strategy to enhance UOW’s traction within the commercial marketplace via research, technology transfer and other key initiatives.

UGPN PARTNER BIOGRAPHIES

University of Wollongong



Professor Nina Reynolds

Professor and Discipline Leader (Marketing), School of Management, Operations and Marketing, Faculty of Business

Professor Nina Reynolds is Professor of Marketing at the Faculty of Business, as well as the Marketing Discipline Leader in the School of Management, Operations and Marketing. She has a PhD in International Marketing Research, an MPhil in Questionnaire Design and a bachelor's degree in American Management Studies from the University of Swansea. She has also completed a BSc (Hons) in Psychology with the Open University (UK).

Professor Reynolds is interested in how consumers' behaviour and marketing can impact on consumer

and psychological wellbeing, particularly through the provision of transformative services. She is also interested in understanding research methods. Her research methods interests have previously focused on (cross-national) survey research, however, her current focus in this area is on digital research.

She is also working on projects that consider consumers' motivations for self-gifting, transformative education services impact on identity and psychological wellbeing, and digital research methods in business/management research.



Professor Glenn Salkeld

Professor and Executive Dean, Faculty of Social Sciences

Professor Glenn Salkeld took up the position of Executive Dean, Faculty of Social Sciences, in February 2016 bringing to the role a strong track record of public health research and leadership. He is a health economist with a PhD in the economics of preventive health care.

Today, Professor Salkeld is one of the most highly cited health economists in the country with over 115 original papers. He commenced his academic career at the University of Sydney, School of Public Health and was one of the founding chief

investigators of the NHMRC program grant in screening and diagnostic test evaluation (the STEP program). He pioneered the application of discrete choice methods and multi criteria decision analysis to cancer screening and treatment choices.

In his role as Executive Dean, Professor Salkeld is committed to working to create social change through the Faculty's Early Start Centre and Schools of Education, Health and Society, Psychology and Geography and Sustainable Communities.



Dr Michelle Townsend

Research Fellow, School of Psychology, Faculty of Social Sciences

Dr Townsend is a Research Fellow at the Illawarra Health and Medical Research Institute and Project Air Strategy for Personality Disorders at the University of Wollongong. Her career encompasses child protection, out-of-home care and early intervention positions.

Dr Townsend's research interests include developmental origins of adult health and disease, long-term

outcomes from adverse childhood experiences and child and adolescent well-being particularly the child protection, out-of-home care, mental health and education areas.



Mrs Lisa Ucles

Manager, Staff Services,
Human Resources Division

With over 20 years experience in Human Resources, Lisa has had a successful career leading and mentoring teams to develop and operationalise strategy. Lisa has sound experience in driving and delivering all aspects of HR to meet organisational goals. Her experience has been gained in complex national and global organisations, both start-up and mature environments spanning a range of industries including

manufacturing, professional services, information technology, banking and media. Her broad HR experience includes recruitment, employee relations, career development, remuneration management and payroll. Lisa joined the University of Wollongong in 2006 to lead the HR Advisory and Payroll function. Her current role portfolio includes Recruitment and Workforce Diversity.



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