

ACADEMIC LECTURE SERIES 2016

Education New Zealand's (ENZ) strategic objective for India is position New Zealand as a well-respected education brand that attracts high-value students.

To achieve this objective, ENZ is partnering with New Zealand universities and Indian institutions to hold a series of guest lectures in prominent cities in South India.

The objectives of this initiative are to:

- Strengthen academic connections between New Zealand and Indian institutions,
- Provide market intelligence and feedback to New Zealand academics on programmes and settings that appeal to Indian students, and
- Raise the profile of New Zealand's academic excellence amongst key Indian audiences

GUEST LECTURE SERIES

Day, Date	NZ University	Indian Institution	City	Topic
29 August	Dr Elizabeth Rose, University of Otago	SRM University	Chennai	International new ventures: where do we go from here?
	Prof David Wareham, University of Canterbury	IIT Madras	Chennai	Effects of the Canterbury Earthquakes on the Wastewater Treatment Plant and Sewage Disposal System
	Prof David Hutchinson, University of Otago	Institute of Mathematical Sciences	Chennai	Dodd-Walls Centre For Photonic & Quantum Technologies Research work
	Prof Ravi Gooneratne, Lincoln University	University of Madras, Guindy Campus	Chennai	Impact of Climate Change on Food Safety & Security Finding alternatives to microbial resistance to antibiotics: Is there a role for probiotics?
31 August	Elizabeth Rose, University of Otago	IIM Bangalore	Bangalore	International new ventures: where do we go from here
	Prof David Hutchinson, University of Otago	IISc Bangalore	Bangalore	Dodd-Walls Centre For Photonic & Quantum Technologies Research work

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Day, Date	NZ University	Indian Institution	City	Topic
31 August	Prof Gourab Sen Gupta, Massey University	IIT Madras	Chennai	Importance of sensing and measurement in the world of robotics, and discuss future research and development of sensors in this area
	Prof Ravi Gooneratne, Lincoln University	University of Agricultural Sciences	Bangalore	Impact of Climate Change on Food Safety & Security Finding alternatives to microbial resistance to antibiotics: Is there a role for probiotics?
1 September	Elizabeth Rose, University of Otago	OP Jindal University	Sonepat, Delhi outskirts	International new ventures: where do we go from here
	Prof David Hutchinson, University of Otago	Indian Institutes of Science Education and Research	Pune	Dodd-Walls Centre For Photonic & Quantum Technologies Research work
2 September	David Hutchinson, University of Otago	IIT Bombay	Mumbai	Dodd-Walls Centre For Photonic & Quantum Technologies Research work
	Gourab Sen Gupta, Massey University	IIT Bombay	Mumbai	Importance of sensing and measurement in the world of robotics, and discuss future research and development of sensors in this area



PORTFOLIOS

1. DR RAVI GOONERATNE

Designation: Associate Professor in Toxicology

Faculty of Agriculture and Life Sciences, Lincoln University
Department of Wine, Food and Molecular Biosciences

Qualifications: BVSc (Cey) DipTox (Sask) PhD (Murdoch) FRCPath

Background

Awards:

Lincoln University Teaching Excellence Principal Award. 2008.

Lincoln University Teaching Excellence (Innovation) Award. 2003.

George Fleming Memorial Prize for the best paper published in "The Veterinary Journal" for (formerly the British Veterinary Journal)

Lincoln University Special Achievement Award for Excellence in Research and Creative Activity

NZ Science Communicator Merit Award.

Fellow of:

The Royal College of Pathologists, UK

The American Academy of Veterinary and Comparative Toxicology.

Member of:

- British Toxicology Society
- Australasian Society for Ecotoxicology.
- Registered Toxicologist in the UK.

Expertise: Animal Science, Biochemistry and Cell Biology, Toxicology

Research

Developing and application of non-invasive electrophysiology techniques in terrestrial and aquatic organisms and use of biosensors to monitor environmental pollution, food toxicology with emphasis on mycotoxins and microbial risk assessment, ecotoxicology of nanoparticles, metabolism of xenobiotics by cytochrome P450 hepatic mixed function oxidase system, heavy metal toxicology, characterization and assessment of environmental impact of agrochemical and heavy metal pollution, and endocrine disrupting chemicals.

2. DAVID GERAINT WAREHAM

Designation: Associate Professor, University of Canterbury

Qualification: BASc, MASc, PhD

Teaching: Water and wastewater engineering, Environmental quality

Research brief: Research and postgraduate supervision in the area of biological nutrient removal systems and acid-phase anaerobic digestion. Professional Affiliations, Activities and Achievements (last 5 years):

- International Association on Water Quality
- New Zealand Water and Wastes Association

3. DR GOURAB SEN GUPTA


Designation: Associate Professor, Engineering Programme Director, School of Engineering and Advanced Technology (SEAT), Massey University

Qualifications: B.E. (Electronics), MEE Technical University of Eindhoven, Holland, PhD in Computer Systems Engineering from Massey University

Biography

During his professional career he has worked in Europe, South East Asia and Australasia, and collaborated with academics and engineers from universities, companies and research centres in such countries as Singapore, Malaysia, Korea and New Zealand. Currently he is Director of the Engineering Programmes at Massey University, New Zealand.

Dr Sen Gupta is an established specialist in the areas of sensors and instrumentation for robotics and automation, computer engineering and embedded systems. His current research activities are focused on developing assistive living technologies, precision agriculture and food quality evaluation/monitoring.





He has authored over 150 journal and conference papers, 3 books and 8 book chapters.

He has been a guest editor of *IEEE Sensors Journal*, *International Journal of Intelligent Systems Technologies and Applications (IJISTA)*, and *Studies in Computational Intelligence* by Springer-Verlag. He is the founder of the highly successful ICARA conference which he has steered for the last 12 years.

4. ELIZABETH L ROSE

Designation: Professor of International Business, Associate Dean (International) at the Otago Business School, University of Otago

Qualifications: BSE (Civil Engineering), MSE (Civil Engineering), AM (Statistics), PhD (Business Administration)

Biography

She is also a Visiting Professor of International Business at the Aalto University School of Business (Finland) and an Adjunct Professor of Business Policy and Strategy at the Indian Institute of Management Udaipur (India). A dual citizen of New Zealand and the United States, her previous academic appointments have been in New Zealand (University of Auckland and Victoria University of Wellington), Finland (Aalto University), and the US (University of Southern California). She holds a BSE (Civil Engineering) from Princeton University (USA) and an MSE (Civil Engineering), an AM (Statistics), and a PhD (Business Administration, emphasis in Statistics and Management Science), all from the University of Michigan (USA).

Beth's research addresses various aspects of how firms internationalize and compete across borders; she works at the intersection of international business and strategy. She has ongoing interests in the internationalization activities of service-sector and smaller, entrepreneurial firms. Not surprisingly, for someone who started her academic career as a statistician, most of her research is quantitative in nature, and emphasizes the use of robust approaches in modelling. Beth's work has appeared in a variety of top-tier journals, including the *Journal of International Business Studies* and the *Strategic Management Journal*.

Beth has held leadership roles in several academic professional organizations. She served as a Vice President for Administration for the Academy of International Business (AIB), where she had the great pleasure of working closely with AIB chapter chairs from around the globe. She has maintained strong connections with the AIB-India chapter, and is involved in organizing and delivering the Ind-IB programme, which offers intensive training in international business to scholars from around the country. She is the founding chair of the AIB's Australia and New Zealand Chapter (AIB-ANZ), and past President of both the Australia and New Zealand International Business Academy (ANZIBA) and the Association of Japanese Business Studies (AJBS). She has also been Chair of the Strategic Management Society's Global Strategy Interest Group. Beth has chaired the Research Committee of the Academy of Management's International Management Division, and is now a member of the Division's Executive Committee. She was recently elected a Fellow of the AIB.

5. DAVID HUTCHINSON

Designation: Director, Dodd-Walls Centre for Photonic & Quantum Technologies, University of Otago

Biography

The Dodd-Walls Centre, established under his leadership, is a national Centre of Research Excellence spanning six New Zealand Universities with the largest representation from Otago and Auckland Universities. He is also a Professor in the Department of Physics at the University of Otago.

His research interests span a range of areas in theoretical physics from condensed matter to plasma physics, but his main area of expertise is in the theory of finite temperature effects in ultracold atomic gases having published seminal papers in the area during the establishment of the field in the 1990s. He currently works on effects of disorder in ultracold gases, especially in two dimensions with low-dimensional physics a theme spanning much of his work. He is also currently interested in quantum effects in biological systems, especially applying techniques from quantum optics to exciton transport in photosynthetic complexes.

On a broader front, Professor Hutchinson has a special interest in the dissemination and translation of research in to impact for the broader community. The Dodd-Walls Centre has a strong education outreach component which is delivered primarily through partnership with the New Zealand museum network. It also has a dedicated industry engagement team that aims to take solutions from the lab and apply them to industry problems. The Dodd-Walls Centre, hosted by the University of Otago, is strongly committed to internationalization of its activities and actively seeks partnerships in both research and industry engagements. All doctoral scholarships are open to citizens of any country with a large percentage of staff and students coming from overseas institutions including India.

