

VISITORS TO IBTec in 2016

IBTec HOSTED PROFESSOR TAKASHI SAITO FROM THE YAMAGUCHI UNIVERSITY IN JAPAN

Professor Takashi Saito is the Chair of the Overseas Technical Training Programme, Faculty of Engineering, Yamaguchi University. Students from Yamaguchi University visit IBTec for a two to three week period every year for experience. Professor Saito manages the collaborative work between Japan and New Zealand with Professor Ahmed Al-Jumaily of IBTec in the Biomedical Engineering field. He is a topic manager for ASME International Conference, IMECE2016 and also manages the track 4-3 Vibration and Acoustics in Biomedical Application with Professor Al-Jumaily. His research is on practical and effective devices and methods in clinical fields.

Professor Saito is on Research Gate if you want to have a look at his research and the University link is: <http://www.yamaguchi-u.ac.jp/>

IBTec HOSTED PROFESSOR MAAN ALKAISI



While visiting IBTec on 13 and 14 April, Professor Alkaiasi gave a seminar entitled “Biological Cells Response to Materials Properties and Surface Topography” to staff and students.

Professor Alkaiasi is a Principal Investigator of the MacDiarmid Institute for Advanced Materials and Nanotechnology. He is a founding member of the MacDiarmid Institute. He holds a full Professor position at the Department of Electrical & Computer Engineering, University of Canterbury, Christchurch, New Zealand.

Dr Alkaiasi carried out his postgraduate studies in the UK where he received his PhD degree from Sheffield University in 1981 in Electronic Engineering.

He is a founding member of the Nanostructure Engineering Science and Technology NEST research group formed back in 1998 at Canterbury University and was the core group that introduced nanotechnology to New Zealand.

His current research interest includes, interactions of biological cells with surfaces and patterns, role of physical forces on cancer development, BioMEMs, surface modifications for solar cells and development of nanoscale patterning technologies.

He has over 120 refereed articles and holds two patents, have given a number of invited and plenary talks at national and international conferences.

Professor Alkaiasi is a Member of the Royal Society of New Zealand (MRSNZ).

IBTec HOSTED PROFESSOR PAUL YOUNG



While visiting IBTec on Thursday 1 September, Professor Paul Young gave a presentation entitled “Novel therapies for treating inflammation and infection in the lung” to staff and students.

Paul is Deputy Executive Director & Head of Respiratory Technology at the Woolcock Institute and Professor of Respiratory Technology at the Sydney Medical School, University of Sydney. Paul has made a significant contribution in the field of advanced drug delivery and inhalation science. Paul has published >180 peer reviewed international journal articles (~3500 citations), 5 patents, 13 book chapters and in excess of 100 conference proceedings. Paul has an H-index of 33 and 5-year i10 index of 100. Paul was an Australian Research Council Future Fellow and is a Chartered Chemist of the Australian Royal Society of Chemistry. He has given invited conference seminars on multiple occasions and has been on the organising committees for international science conferences. Paul has been appointed onto the Australian Research Council College, the external TGA medical advisory committee, and editorial boards of range of journals including Pharmaceutical Research, Journal of Pharmacy and Pharmacology, Drug Development and Industrial Pharmacy, AAPS PharmSciTech, and Respiratory Drug Delivery. Paul was a founding director of Nanopharm Ltd in the UK and is Director of Pulmatix Pty Ltd in Australia, a specialist contract drug development and testing company. Paul collaborates with both academia and industry on an international level and has attracted >AUD 15 million dollars in funding within the area of inhalation medicine.

IBTec HOSTED PROFESSOR JASON BATES



While visiting IBTec on Thursday 8 September, Professor Jason Bates gave a presentation entitled “*Modeling the force-length dynamics of airway smooth muscle*” to staff and students.

Jason H.T. Bates is a respiratory biomedical engineer and physiologist working predominately in the field of lung mechanics with a focus on the biophysical mechanisms of airways responsiveness and the pathophysiology of ventilator-induced lung injury. He is currently a member of the Vermont Lung Center at the University of Vermont (UVM) where he holds the

positions of Professor of Medicine and Professor of Molecular Physiology & Biophysics in the UVM College of Medicine. From 2010-14 he also served as Interim Director of the School of Engineering in the UVM College of Engineering & Mathematical Sciences. Dr Bates is Deputy Editor for the *Journal of Applied Physiology* as well as being on the editorial boards of the *Journal of Clinical Monitoring and Computing* and *Critical Reviews in Biomedical Engineering*. He is also a Fellow of the American Institute for Medical and Biological Engineering (AIMBE) and a Senior Member of the Institute of Electrical and Electronic Engineering (IEEE-EMBS).