



IMAGE: DR ROAN PLOTZ TALKING TO STUDENTS AT ST. RAPHAEL'S PRIMARY SCHOOL, WEST PRESTON. LOGO: ST. RAPHAEL'S SCHOOL LOGO.

'BIPARTISAN, NOT LEFT-RIGHT'

Dr Plotz managed to get a strong letter published in the *Age* on 24 May, under the heading, 'Bipartisan, not left-right': 'Regardless of your views of Labor's policies on mining, housing or climate change, a day of reckoning is fast approaching.'

'No amount of spin will change the fact that we must rapidly develop new industries and jobs. An economy based on digging up fossil fuels and flipping houses to each other at inflated prices is not a sustainable path to prosperity. The changing global market will make sure of that.'

'Bipartisan recognition and support is the only way we will get out of the left-right quagmire we are now so firmly trapped in. The technology-dominated working future, which is hurtling towards us, will not care about our left-right leanings. Kicking the can down the road will also not make it go away.'

INDIGENOUS WEATHER & CLIMATE

Meanwhile, Roan Plotz has also been appointed to a newly created special interest group for Indigenous Weather and Climate (IWC SIG), as part of the Australian Meteorological and Oceanographic Society (AMOS).

He plans to use this appointment as a platform for seeking cross-institution funding of indigenous ecological climate projects in Australia. The co-chairs for the IWC SIG are Djarra Delaney and Mandy Hopkins. Djarra Delaney is Aboriginal and Torres Strait Islander Community Engagement Coordinator at the Bureau, while Mandy Hopkins (CSIRO) is coordinator for the NESP ESCC Hub Indigenous Engagement activities. The Group's first major activity was the Indigenous weather and climate session at the AMOS conference in Darwin (June). This was a very engaging session on the work being undertaken by Traditional Owners to understand and adapt to the changes in climate.



WORLD SEASONS

St. Raphael's Primary School students in West Preston got the chance to meet a real-life scientist on Monday 26 August with a visit from Dr Roan Plotz, a lecturer in Environmental Science at Victoria University.

Roan Plotz enthralled the young wannabee scientists with concepts which included the weather, European seasons and Indigenous seasons. Students were fascinated by his life experiences, working with animals in South Africa and with meteorological work in the Pacific. Many student hands shot in the air to share ideas and to answer questions during his presentation.

COVER STORY

WORKING WITH NATURE IN THE BIG SMOKE

On 22 June the Society of Conservation Biology launched a Greater Melbourne Chapter, with Dr Roan Plotz as Vice-President, and Christine Connelly as a Conservation Officer, with a powerful presentation by the City of Melbourne Councillor Dr Cathy Oke talking about the 'Networking with Nature: Extracting the multiple benefits of nature in our cities'.

The SCB (Society for Conservation Biology) is global community of conservation professionals dedicated to advancing the science and practice of conserving Earth's biological diversity.

There are over 4000 members worldwide and the *Greater Melbourne* chapter, part of the *Oceania* section of the *Society for Conservation Biology* has set itself five clear goals;

To unite the existing conservation network of Greater Melbourne

To engage the public with local conservation research and action, including opportunities, news and success stories

To offer resources to support and promote evidence-based conservation

To facilitate the integration of Indigenous knowledge into conservation research and action; and

To provide opportunities for researchers and practitioners to develop networks and skills that support their conservation work.

Its overarching vision is to harness the existing interest in conservation, bringing people together to support and strengthen conservation action across the region.

COUNCILLOR DR
CATHY OKE PRESENTS
HER TALK ON
NETWORKING WITH
NATURE', 22 JUNE
[SOURCE: ROAN
PLOTZ]



FOOTNOTE: COUNCILLOR OKE'S SISTER, DR NICOLE OKE, IS A LECTURER IN THE COLLEGE OF ARTS AND EDUCATION AT VICTORIA UNIVERSITY

INFRASTRUCTURE

TRANSIT ORIENTED DEVELOPMENT, THE KEY TO A NEW SCHOOL OF TRANSPORT SYSTEMS AT VU

The week that July turned into August we were treated to a whirlwind tour by GB Arrington, an expert on Transit Oriented Development, building cities on public transport rather than the all-conquering car. We want to create a new virtual School of Transport Systems at VU, and GB's visit was intended as a stimulus for this initiative.

GB Arrington is a Barcelona-based global innovator in integrated transport solutions. GB's focus is in strategically forging the link between transit and development to catalyse community revitalisation, resiliency and place making. Australia's Urban Development Institute called GB 'the world's foremost authority on Transit Oriented Development (TOD) policy, design and implementation'. His work has brought him to Australia 20 times, across North America, to China, New Zealand, Dubai, Panama and the Caribbean. In Australia, GB has worked on integrated transport solutions in Victoria, New South Wales, Queensland, South and Western Australia. During his career, GB has directed the preparation of more than 130 TOD plans in 25-plus US states and eight foreign countries. *Time* highlighted his plan for transforming Tysons Corner, VA as one of '10 Ideas for Changing the World Right Now'. GB's career has been defined by a commitment to continuous innovation to reinvent how cities grow while enhancing their quality of life.



GB ARRINGTON, CITY FLINDERS CAMPUS, 2 AUGUST 2019
[SOURCE: ROBERT PASCOE]

Previously GB created and led the global TOD practice for a major A&E firm. Before becoming a consultant, he charted a new, award-winning direction for TriMet, Portland, Oregon's transit agency. GB created and led the Portland region's widely acclaimed TOD program. His innovative planning and community involvement strategies changed the face of transit and land use in the Portland region and received awards from the White House and the Federal Transit Administration. GB is a Board Member and one of the founders of the Rail~Volution Conference.

On Monday, GB presented his ideas to a meeting of Victorian Government and university policy experts.

On Wednesday, GB participated in a panel discussion led by the Vice-Chancellor at Footscray Park campus on the development of university precincts across Melbourne's West and the embryonic City West precinct.

"..GB HAS DIRECTED THE PREPARATION OF MORE THAN 130 TOD PLANS IN 25-PLUS US STATES AND EIGHT FOREIGN COUNTRIES"

INFRASTRUCTURE

On Thursday, in a public lecture at City Flinders campus, GB Arrington described integrated transport planning and how it fits into Melbourne 2050, opportunities arising from the transport revolution (transportation network companies; driverless vehicles) and how we might need to unlearn some of what we know to harness their potential, and provided some examples of best practice case studies and their implications.

On Friday, the indefatigable GB took part in a transport industry symposium at City Flinders that brought together academics, planners and private industry to discuss the future of transport systems in Melbourne and more widely.

PRINCIPLE 1: MAKE TRANSPORT WORK

- Hook up parts of the transit network where there are gaps, e.g. reintroduce trams to Footscray
- Improve access for passengers with mobility issues, e.g. replace older rolling stock
- Improve communication connectivity among drivers of buses, trams, trains, e.g. alerting passengers to problems in the system

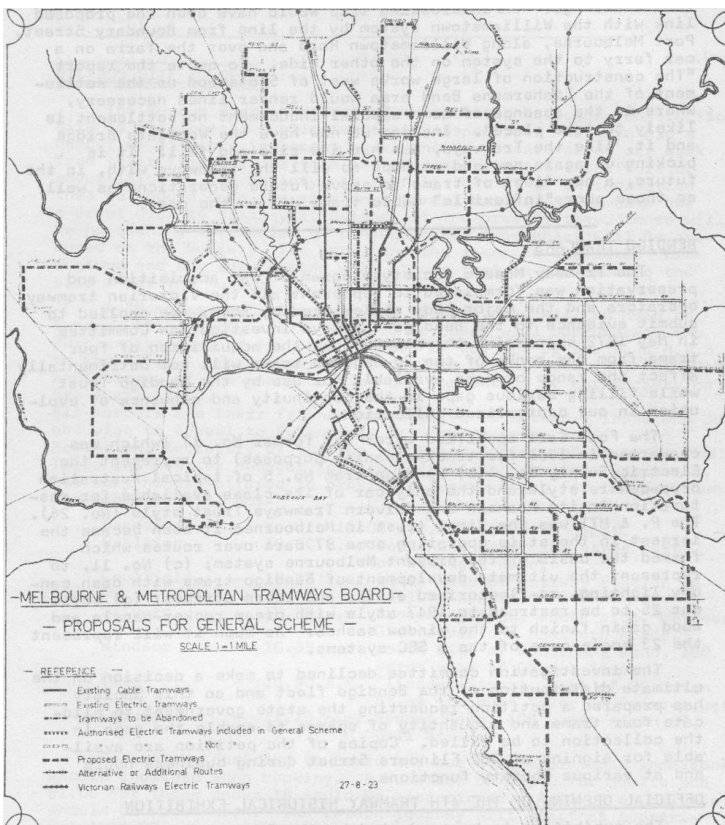


MELBOURNE'S FED SQUARE WORKS AS AN ACTIVE PIAZZA, WELL LINKED TO TRANSIT [SOURCE: CITY OF MELBOURNE]

PRINCIPLE 2: CREATE A PLACE

- Activate piazzas alongside transit stations, using Fed Square as a model
- Put carparks underground and introduce calming strategies for cars, e.g. a congestion tax
- Place shops, offices and local businesses closer to transit stations than housing
- Invite communities and designers to plan new or renovated transit stations

THE 1922 PROPOSAL FOR MELBOURNE'S METROPOLITAN ELECTRIC TRAM SYSTEM INCLUDED THE WESTERN SUBURBS, AN AMBITION NOT REALISED FOR A CENTURY [SOURCE: MELBOURNE AND METROPOLITAN TRAMWAYS BOARD]



INFRASTRUCTURE

PRINCIPLE 3: CONNECT TO THE COMMUNITY

- Build over existing subway stations, e.g. our new City West precinct over the Flagstaff station
- Drop existing stations underground where practicable, e.g. Laverton, with opportunities for vertical development
- Bring buildings to the edge of streets, with widened footpaths
- Invert the usual hierarchy to put pedestrians ahead of cyclists, then transit, then cars



LAVERTON STATION,
WITH CAPACITY FOR
VERTICAL
DEVELOPMENT

'BUSINESS DECISION SUPPORT SYSTEMS METHOD'



'Business Decision Support Systems Method' was the title of a seminar given at the City Flinders campus on Thursday 24 October, by Brada Burstein. Organised by ISILC's Business Discipline Leader, Prof. Shah Miah.

Frada Burstein is a Professor in the Faculty of Information Technology, Monash University, where she initiated and continues to lead the Knowledge Management Research Program.

Professor Burstein has been a Chief Investigator for a number of research projects supported by grants and scholarships from the Australian Research Council and industry, including two projects in medical emergency management decision support. Her current research interests include knowledge management technologies, intelligent decision support, mobile and real-time decision support, and health informatics. Her work appears in journals such as;

Decision Support Systems, Journal of Organizational Computing and Electronic Commerce, Journal of the American Society for Information Science and Technology, Information Technology & People, European Journal of Operations Research, and Knowledge Management.

SUSTAINABLE INDUSTRIES

NATIONAL MEASUREMENT INSTITUTE (NMI) COMES TO THE FOOTSCRAY PARK CAMPUS

The NMI is a federal agency responsible for ensuring accuracy in all products made or distributed in Australia. Every time you buy a beer at your local hotel, the NMI stands beside you to make sure the publican does not rob your fair share of the precious amber fluid.

The National Measurement Institute Australia (NMIA) and Victoria University (VU) invite you to the 4th biennial Collaborative Research Symposium (CRS) with the theme 'Partners in Measurement'. The CRS showcases new areas of measurement capabilities designed to support Australian industry, innovation and trade. Much of this research is conducted in partnership with Universities, technology providers, industry, legislators and accreditation bodies. The event is a platform for NMI's collaborative research activities across a variety of measurement fields, demonstrating the linkages NMI has established within the scientific industry and academia.

During the event, the NMI and partners will explain the current and potential contributions that flow from these collaborations and the benefits that arise from maintaining Australian-based capability at the cutting edge of measurement science. Networking, in terms of shared resources and expertise, facilitates these programs. Participants are invited to contribute to a post-presentation forum which explores future measurement science objectives relevant to their fields of endeavour.

We look forward to welcoming you to the Symposium, on Friday 22 November, to be held at Victoria University, Footscray Park Campus, Building C, room C203.

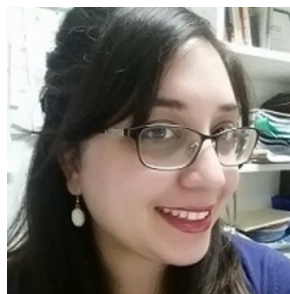
The expected outcomes of the symposium are:

- To create a broader awareness of the types, extent and value of collaborations
- To provide opportunities for those engaged in collaborative development to present their research and explain the associated benefits
- To explore new opportunities for collaboration

The event is free, but you need to confirm your participation by 8 November via email to saman.buddhadasa@measurement.gov.au

Dr Katherine Stockham (below left), who is a senior employee at the NMI, has recently completed her PhD at Victoria University. Her work includes the measurement of antioxidants in wines as a way of tracking climate change in Australia.

Professor John Orbell (below right) supervised Katherine Stockham's PhD at Victoria University.



CULTURAL DIVERSITY

COLLEGIALITY

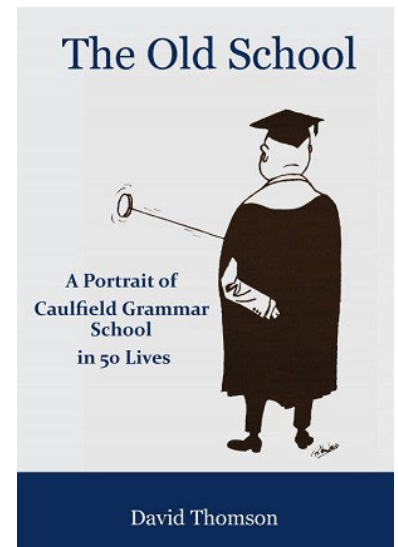
Our new Social and Cultural Transformations Research Leader is Dr Natalie Kon-yu, who comes in to take the place of former colleague Jeanne Iorio. Dr Kon-yu is a Senior Lecturer in the First Year College. She was one of the founders and co-convenors of the VU Feminist Research Network (FRN). Established with a grant from the Office of Research of \$10,000, the FRN runs fortnightly writing workshops open to all VU academics, created a seminar series featuring VU, national and international academics, and began a mentoring program for women academics. One of the highlights of FRN in its early stage was to organise a networking evening at MetroWest, in conjunction with Her Place Women's Museum, that drew 100 attendees, including VU members, academics from all other Victorian universities, the head of the Australian Women and Gender Studies Association, as well as industry partners such as the City of Melbourne.

DR NATALIE KON-YU
[SOURCE: VICTORIA
UNIVERSITY]
PREVIOUS STORIES:
**AUSTRALIA HAS ITS OWN
HARVEY WEINSTEIN
(JULY 2019)**



Dr Kon-yu intends to foster the same spirit of collegiality, support and collaboration in the Social and Cultural Transformations research group that characterises the FRN. She wants to support more staff applying for, and receiving, VU Research Fellowships in the next round, as well as to explore non-traditional methods of finding research funding. She wants to hear suggestions of what people would find most useful in a group such as this one.

THE OLD SCHOOL



A lecturer in the College of Law and Justice, David Thomson has written a witty account of his old school, Caulfield Grammar. He explains the philosophy behind his book:

This is a book about the “vicissitudes of life”, a phrase I heard twice in one day, first said by my friend Jeffery Barnes over coffee at La Trobe University and, second, by one of the cast of *Cosi*, the Year 10 play which I saw the same evening at Caulfield Grammar School. The characters about whom I have written are a varied lot. Some are well known and made substantial contributions to our country. Others may not have been so successful. Some lived long lives; some died when they were young.’

David Thomson was educated at Caulfield Grammar School and at Monash and Cambridge Universities. After a compulsory stint of National Service in the RAAF, he became a teacher, eventually returning to Caulfield where he taught English and Legal Studies for 37 years. He was awarded the Medal of the Order of Australia in 2017 for service to education in Victoria.

His book is published by Connor Court for \$29.95. Connor Court is an independent publisher in Brisbane established by VU alumnus Dr Anthony Cappello. It can be ordered via the connorcourtpublishing.com.au website.

CULTURAL DIVERSITY



Registration No: A0018216A ABN: 46 921 664 051

President: Dr Howard A Freeman OAM

Co-President: Frances Prince

Treasurer: Allan Nahum

Hon Secretary: David Marlow

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www.ajhs.com.au



DR ERICA CERVINI “TELLING JEWISH HISTORY THROUGH THE LIFE OF MY GREAT- GRANDMOTHER, ROSE PEARLMAN”

7.30PM ON THURSDAY 14 NOVEMBER 2019

TEMPLE BETH ISRAEL, 76 ALMA RD ST KILDA

Family history is a popular pursuit, which has given rise to TV shows such as *Who Do You Think You Are?* But family history is so much more than tracking down lost relatives and their stories. In this talk, Erica Cervini discusses a major aspect of her recently completed PhD about her Great-Grandmother Rose Pearlman. She argues that through the life of Rose, a working class and ‘ordinary’ woman who journeyed from London to Australia at the end of the 19th century, we can gain an understanding of the broader history of Jews in Ballarat and St Kilda. Erica also argues that through Rose’s story we are alerted to the Australian-Jewish war effort. Four of Rose’s eight surviving children served in World War II. One child, Leslie Pearlman, was killed in Rabaul.

Erica Cervini is an award-winning journalist, writer and lecturer who has recently completed her PhD at Victoria University. Erica has had an extensive career in journalism including writing on Higher Education for Fairfax Media and *The Australian*, and as a lecturer at RMIT.

Enquiries to davidhmarlow@gmail.com or 0407 389 919

Entry - \$8 for AJHS Vic members - \$10 non-members

FROM THE OFFICE OF THE DIRECTOR

THE IMPORTANCE OF NEIGHBOURHOOD HOUSES

Congratulations to Dr Ursula Harrison, whose thesis, entitled 'Neighbourhood Houses as sites of women's empowerment' has earned her a doctorate. She includes some fascinating material on the early development of neighbourhood houses in Victoria, placing them in the international context of the settlement house movement.

She also has an excellent discussion of the concept of empowerment, how it was part of the early days of the neighbourhood houses, then fell into disuse as it became associated with neo-liberalism and ideas of individual empowerment. She then includes an excellent discussion of post structural and postmodern theorising and implications for contemporary community development theory and practice.



DR URSULA HARRISON FLANKED BY WELL-WISHES AT HER GRADUATION [SOURCE: ROBERT PASCOE]



WELCOME TO DAVID GOODWIN

DR DAVID GOODWIN
[IMAGE SOURCE:
VICTORIA
UNIVERSITY]

Dr David Goodwin from the Victoria University Business School is the new Industry Program Manager in ISILC, a position that has been vacant since the new leadership team was appointed. David recently joined VU from RMIT and previously held Senior Executive roles in Neptune Orient Lines of Singapore, BlueScope Steel Ltd and OneSteel Ltd. He joins the other Program and Research Discipline Leaders and group representatives on the ISILC Leadership team.

A MAJOR ARC LINKAGE SUCCESS

Cryptography is crucial to safeguarding the cyber world we now inhabit. Professor Yuan Miao, Professor Xun Yi, and Dr Fengling Han have been successful in winning an ARC Linkage grant in this area, worth \$340,000. (RMIT will be the administering institute.) Their project is entitled, 'Development of Cryptographic Library and Support System'. As they explain, The protection of the whole cyber space relies on a foundation of cryptography. Cryptographic components of apps authenticate remote parties and secure the communications. However, cryptographic misuse has become a most common issue in development of security component, affecting up to 90% of apps!

FROM THE OFFICE OF THE DIRECTOR

This project aims to research, design and develop a crypto library. The innovation of this project lies in three aspects: (1) the development of a self-contained, reliable, compatible and verifiable crypto library; (2) the development of security test software automatically to test and verify security of codes; and (3) the provision of intelligent decision support through argumentation to help developers to apply the library efficiently and correctly. Congratulations, Yuan Miao!



PROFESSOR YUAN
MIAO [SOURCE:
VICTORIA
UNIVERSITY]

MEASURING RAINFALL & STREAMS

Professor Ataur Rahman, from Western Sydney University, visited us on 17 June to present a talk on 'Regional Hydrological Data Analysis'. Hydrological data are generally of limited length over space and time. This presentation covered different modes of hydrological data mining and interpretation (mainly rainfall and streamflow data) using various regional analysis techniques.

Ataur Rahman has been active in Australian hydrology research for the last 25 years.

He has significantly contributed to Australian Rainfall Runoff (ARR) 2016 as Project 5 Leader that resulted in ARR RFFE Model, which is widely used in Australia. He has published 103 refereed journal articles. His total publications exceed 400. He is in the editorial board of three ISI-listed journals. He is Chair of Global Circle for Scientific, Technological and Management Research. He has supervised 14 PhD students to successful completion.

FREE ADMISSION TO NANOTECHNOLOGY RESEARCH GROUP

The role of nanotechnology in building next-generation technologies with wide applicability is well known. Nanotechnology has already started benefitting several sectors such as electronics, healthcare, energy, agriculture, diagnostics and medicine, to name a few. It is generally understood that unique and vastly different properties of the material emerge at nanoscales compared to their bulk counterpart. These interesting and useful properties can help address several challenges. A large portion of the global scientific efforts is to explore such unique properties of the materials at the nanoscales. A clear transition from curiosity-driven research to the market-oriented research can be clearly seen from commercialisation of nano products to nano-based technologies in recent years.

Further advancements and creation of nano-based next generation technologies is expected to be possible by consolidating the efforts from expertise emerging from wide range of disciplines of science and engineering.

FROM THE OFFICE OF THE DIRECTOR

It is therefore necessary to not only unify such expertise under one platform but to also encourage and implement the exchange of knowledge, infrastructure, facility, and ideas to achieve maximum return on creativity through guided ideation and network platform.

TERI, India and Deakin University, Australia are two destinations engaged in intensive research around agriculture, material science, food storage and safety. Innovation in the area of Nanoscience in Deakin University, Australia is also on forefront therefore in 2010, a strategic engagement was established between Deakin University in Australia and TERI, New Delhi India and the centre 'TERI-Deakin Nanobiotechnology (TDNBC)' was created at TERI Gram, Gurugram, India. The New State-of-the-Art Centre building was inaugurated on 10 April 2017 by PM Shri Narendra Modi and then PM Malcolm Turnbull.

Please visit the Centre's website <http://tdnbc.teriin.org/> for detailed information.

The members will meet both virtually as well as physically. Dr Alok Adholeya would be pleased to welcome any ISILC members to participate in the Network. If you have questions, please contact him at my email aloka@teri.res.in or our own Prof Vasso Apostolopoulos (Vasso.Apostolopoulos@vu.edu.au) who is active in co-ordinating membership from VU.

Dr Alok Adholeya is the Programme Director Sustainable Agriculture
The Energy and Resources Institute
Darbari Seth Block, India Habitat Centre,
Lodhi Road
New Delhi 110003 India

NEXT YEAR'S COMMUNITY PSYCHOLOGY CONFERENCE

PROFESSOR TONY BIRCH
[SOURCE: VICTORIA
UNIVERSITY]



Here is advance notice of next year's Community Psychology conference, 26-28 June 2020, at the Footscray Park campus:

ICCP 2020 builds on previous conferences and is based in Melbourne and the broader Asia-Pacific region. This location was originally and continues to be home to many Aboriginal communities.

This conference seeks to celebrate and interrogate the ways solidarities are fostered and sustained within community contexts, across borders and boundaries, digital and non-digital spaces, and through process of knowledge production. The conference seeks to give a critical platform to the ideas and work emerging from coalitions with practitioners, artists, educators, activists, and diverse communities. We are interested in exploring and showcasing scholarship, activism, practice, and critical scholarly engagement, from around the world that seeks to bring about sustainability, inclusivity, and wellbeing for all.'

For further details, contact the ICCP team on +613 9919 2685 and email iccp2020@vu.edu.au. The conference is a collaborative effort between Moondani Balluk Academic Unit, the College of Community Psychologists of the Australian Psychological Society, and the Melbourne Convention Bureau. One of the keynote speakers will be Professor Tony Birch.

FROM THE OFFICE OF THE DIRECTOR

HOLD THE PRESSES: COMING TO A BILLBOARD NEAR YOU



It was quite an arresting sight to see our dear colleague Stephen Bigger larger than life as we travelled to work the other day. His footy team has had a horrendous season, but he will remember 2019 for a different reason – it's not every day you have a genuine celebrity as a workmate.

Don't forget to undertake your on-line training modules, particular the OHS modules. And don't leave it to the last minute – start your next Discovery Project application now and do not forget to let ISILC and Research Services know so it can be included in the internal review process!

AND, BRIEFLY:

Professor Michael Stuckey, Dean of the College of Law and Justice, has been elected a Fellow of the Australian Academy of Law. Congratulations Michael!

Our very own Dr Amir Ghapanchi was a keynote speaker at the 3rd Digital Campus and Blended Learning Innovations, held in Melbourne, 22-24 July. His topic was 'The Three Dimensional Virtual Campus: A Case Study.'

Professor Emerita Pat Drake has had her recent paper, 'The cut and thrust of industrial relations' - Bullying by another name?', published in *Gender in Management: An International Journal* selected by the editorial team as an Outstanding Paper in the 2019 Emerald Literati Awards.

FINALLY, IT IS TIME TO BRING 2019 TO A CLOSE

Please join us at our ISILC End of Year Event on Friday 6 December, from 8.30 am to 3.00 pm, in Building C, Level 2, Room C209, at Footscray Park.

Professor Stephen Gray, Director