DEAN’S REPORT

Welcome to the latest Archetype, a welcome tinged with sadness of the recent passing of Professor Jack Cowan. Many of you will remember him as a passionate member of the Faculty with a great and abiding interest in architecture in the broadest sense and with architectural science and technology in particular. He helped build the Faculty to its current pre-eminent position. Elsewhere in this issue is an obituary to his achievements.

If any of you have any reminiscences you’d like to share about Jack we would like to include them in the next issue.

Bruce Forwood and John Gero both recently retired and Bruce will continue contributing to the Sustainable Design program as an honorary. We have been busily recruiting new staff and many will be introduced in this issue. We are about to make an offer on the second Chair of Urban and Regional Planning. The University is in the process of filling the deanship and it is hoped that this will be concluded by the end of the year.

Faculty staff had great success in winning ARC grants this year — important for the Faculty’s research effort and its funding.

I would like to invite you to the Wilkinson Lecture in October. The lecture is one of the Faculty’s most important public events and this will be on the Parthenon Project. A whole series of events will be supporting the Wilkinson Lecture.

I would also like to introduce Julia Wilson who is editing this issue of Archetype and will be providing support to the Faculty’s Alumni Association. Please let her have news for later editions as well as feedback on what you would like to see in Archetype and any ideas you have on supporting the Faculty in its work.

With every best wish

Warren Julian

PRESIDENT’S REPORT

Our Alumni Association is proving to be very active in promoting events for former and current students. In spite of the many people changes, we are managing to offer a range of events designed to build on the ever-lasting bonds between alumni and the University. Our wide range of events should entice all alumni to choose an occasion to visit the Faculty. Please join us, make yourself known to Council members, and volunteer to assist in our expanding range of programs designed to assist present students and graduates.

One immediate opportunity is a standing request from Professor of Architecture, Tom Henneghan, for alumni to sit on juries evaluating student projects. Held in the peak times at the end of the semesters, the time required is usually limited to one or two days. If you can spare the time, please email Tom.heneghan@arch.usyd.edu.au — your input will be greatly appreciated.

Maasaki Ikeda has retired from the Alumni Council and I would like to give thanks and good luck with all your projects. At our last AGM, we were joined by Ken Woolley and Brian Griffin, Patrick O’Carrigan, former Registration Board President, and Priyanka Rao, recent architecture graduate and Architecture Revue Producer, have also joined and I welcome them to the Alumni Council.

Take a moment to look at the excellent list of events the Faculty and Alumni are hosting in the coming months and I hope to see you there.

Michael Neustein (1971)

The Council Annual General Meeting will be held Thursday 25 October at 5pm followed by the Alumni hosted Thursday night Lecture. Gerard Reinmuth, a much awarded graduate, will present a number of his firm Terroir’s built works. Focusing on extensions to buildings from houses to public facilities, Gerard will explore the notion of sustainable development by showing how new life can be breathed into existing buildings.

DO YOU HAVE A STORY TO TELL?

We want to know what you have been doing since you graduated so email or write and tell your story. As part of our Etype newsletter we are starting a new section for our past students this will be a great way to reconnect you with some of your old friends and see what they have been doing.

Don’t forget to keep your details up to date by completing the address details on the back of the Archetype; you will also receive our Etype newsletter via email every two months.

SPRING BACK TO SYDNEY

Saturday 26 October – Specially targeting alumni from years ending in 7, the day is open to all alumni. We have arranged to have on show the faculty’s Sid Nolan painting purchased with the proceeds of revues in years past. The Dean and the Association will jointly host a morning tea for alumni and tours of the Faculty. The difference is spectacular for those who haven’t visited in five or more years. Lots of current student work will be on display.
Jack Cowan was appointed to the Chair of needed textbooks and throughout his career needed to fill a vacant chair of architecture. It was largely driven by him. The University of Sydney RAIA accepted the recommendations and in major British architecture schools. The recommendations were made by the RIBA in the early 1950s to establish chairs of “architectural science” in major British architecture schools. The RAIA accepted the recommendations and coincidentally the University of Sydney needed a strong research base and education in the sciences and architecture. Jack Cowan was appointed to the Chair of Architectural Science in 1953, making him the first such appointment in the world. That appointment was inspired: Jack created the field of study in Sydney when the main means of communication were by ship and letter. After a short time the University created the Department of Architectural Science and Jack started a program of graduate education, undertaken by many of Sydney’s leading architects. That program evolved into the Master of Building Science which has provided a strong foundation in building science and technology to hundreds of graduates from Australia and internationally. One of Jack’s research students, Peter Smith, was the first PhD graduate in Architecture in Australia. A spin-off from the graduate education program was the journal Architectural Science Review, another first and until last year, edited by Jack for the past 50 years. A new field of study also needed textbooks and throughout his career Jack authored and co-authored 25 books, with the last, The World's Greatest Buildings, appearing this year.

In recognition of his contribution to architecture, the Royal Australian Institute of Architects made Jack an Honorary Fellow and for services to engineering, the Institution of Engineers, Australia, awarded him the Chapman and Monash medals. He was awarded a DEng by the University of Sheffield in 1963. Australia recognised his outstanding achievements with an AO in 1983. The University of Sydney awarded him an honorary Doctor of Architecture for his outstanding contribution to the university. He was the recipient of many other awards and honours throughout his career.

I had the pleasure of working with Jack since 1971 when, unexpectedly, he invited me to fill a position of temporary lecturer in architectural science. I was a student in the Master of Building Science, filling in the gaps in my engineering education. A counterintuitive nature was a hallmark of Jack’s life. He was full of surprises. Superficially, Jack appeared conservative, with the manners of the educated central European: formal, proper and a little aloof. This was far from the real person who was essentially modest and shy but a liberal with a wicked sense of humour and a strong social conscience. He was an inspired risk-taker in the appointments that he made to the staff. It might be expected that, due to his experiences before and during World War II, he would tend to appoint people similar to himself. He didn't and I was amazed at not only my appointment but at most of the others he made. However, he built up an outstanding group that made his department the jewel in the Faculty of Architecture’s crown and the leader in Australia and most of the world.

All who met him, especially generations of students, found a man with an intense interest in architecture who had the knack of inspiring others through his passion. He is always remembered with affection.

Jack married Renate, a nurse, in Sheffield in 1952. They had a mutually supportive marriage of work, shared interests and goals. Kitty, the younger of their two daughters, was born with disabilities and Jack and Renate, became much involved in disability issues, particularly wheelchair accessibility and gave strong support to The Spastic Centre. Judith, their elder daughter, a PhD from the University of Sydney, her husband David and their daughters Eleanor and Isabel, all contributed to Jack’s happy family life. Like all great people, Jack’s legacy is not so much in his considerable works but rather in the impact that he made on others. For that, he will be sadly missed.
New courses for 2008

**Master of Architecture**

The Master of Architecture is a 2 year fulltime professional degree, which replaces the Bachelor of Architecture from 2008. The program centres on design studios, supported by taught units in Architectural History and Theory, Advanced Architectural Technologies, and Professional Practice. The areas of specialised study in the studios are: Architecture and Urbanism; Architecture and Sustainability; and Architecture and Digital Design.

**Architectural History & Theory**

The Master of Architectural History and Theory is a program of advanced study that imparts a critical understanding of contemporary theoretical and historical developments in global architecture and urbanism, and which equips students with the research methods and writing skills specific to these areas of inquiry. Additional elective units covering topics ranging from East Asian architecture to digital design theory.

**Faculty focus**

**Professor Gary Moore appointed as Emeritus Professor**

At the end of June 2007 Professor Gary Moore, former Dean of the Faculty of Architecture, retired from the University. As Dean, Professor Moore played a considerable role in guiding the transformation and repositioning the Faculty of Architecture, Design and Planning to become once again among the very best in Australia and the Asia-Pacific region. He guided a major restructurining of the Faculty, saw a reinvigoration of staff, increased student demand and created closer links with alumni, the professions and the wider community. Professor Moore started the Architecture Alumni Association and launched the Faculty’s first fund-raising campaign which resulted in $1.25m for capital improvement and scholarships. As Dean, he led the designing and building of an infrastructure that will enable the Faculty to continue the progress made in his period of office.

I am pleased to announce that Senate has appointed Professor Moore as Emeritus Professor. As Emeritus Professor, he will continue to direct the Environment, Behaviour and Society Research Group, serve as Editor-in-Chief of the Architectural Science Review, supervise PhD students, post-docs and visiting scholars and continue his research on the interface between the interdisciplinary social sciences and the built environment. He has also recently been appointed Guest Professor of the College of Architecture and Urban Planning, Tongji University in Shanghai, a visiting post he took up starting in July of this year.

**New Staff**

**Ross Anderson**

Lecturer in Architecture: Design, History and Theory

Ross started in the Faculty this semester and is currently running the first year architecture design studio and is teaching in post-graduate architectural history and theory.

**Dr Greg Castillo**

Greg started in the Faculty at the beginning of 2007 and is currently a Senior Lecturer and Coordinator of the Master of Architectural History & Theory.

**Dr Chris L. Smith**

Chris has joined the faculty and is currently lecturing in Architectural Design & Technology.

**Professor Bill J Mitchell**

Visiting Professor to our Faculty and former Dean at MIT, was awarded an Hon DScArch in March 2007.

**Sue Lord**

Development Officer Sue Lord has moved to UTS and we wish her well in her new job. Julia Wilson, known in the Faculty for her work with the Planning Research Centre, now has the role of Alumni Coordinator.

**Gavin Brown**

Vice-Chancellor & Principal
The University of Sydney
**Sydney University's Architectural Rebirth**

"Why were the northern cloisters in the University of Sydney's Main Quadrangle never finished?"

"Why was the RPA Hospital built between two University colleges?"

These and other questions are answered in a new illustrated guidebook that both celebrates the University of Sydney's great architectural past and looks at the new architectural renaissance underway on campus today.

University of Sydney Architecture (published by Watermark Press) is written by Trevor Howells, a senior lecturer in architecture at the University and well-known architectural writer. He says the University began with a grand vision.

The University of Sydney is in many ways like a small city. It has magnificent buildings, parklands, shops, banks, cafes, theatres, its own local government and local security. However, unlike most cities where the buildings are influenced by surges of commerce, the University has developed steadily and grandly over time.

Every day, busloads of tourists arrive at the University to be photographed in front of the University's great architectural works. Now using this book's colour photos, archival drawings, floor plans and accompanying text, they will be able to take self-guided tours and answer questions such as:

Why was the grand Great Hall built when the University began life with only three professors and 24 students? Why did the University give the triangle of land between Parramatta and City Roads (now called Victoria Park) to the City of Sydney Council? Which University residential college was built on the grounds of what was once a convict stockade?

The book is available from the Chancellor's Committee shop.

**Think Local, State and National, All at Once**

For the first time, urban planners now have a single source of information to use when developing plans for land use in their local area, thanks to a new book by a University of Sydney academic, Dr Nicole Gurran called *Australian Urban Land Use Planning*.

Urban planning is managed across all three levels of government, with local councils implementing state laws and federal policies. Planning officers, architects and urban designers all work on development projects that at some point interact with council planning systems and state laws.

Nicole Gurran, Senior Lecturer in the University of Sydney's Faculty of Architecture, Design and Planning, has written a book to help planning professionals navigate the complex web of regulation and policy that covers how we can use land in New South Wales.

'It's quite a complex area - planners need to understand transport, building, law, and of course they need negotiation skills. Planners deal with hundreds of different issues every day and try to relate them to other projects happening within the local area. They try to bring the larger perspective to the table, to help people understand how their project will impact on neighbours and the community in general,' she says.

*Australian Urban Land Use Planning* provides a comprehensive overview of the planning system and its implementation. It also compares the NSW system with other states and territories across Australia.

*Australian Urban Land Use Planning* was launched by Sue Holliday, President of planning Institute Australia, on Monday 7 May 2007 at the Tin Sheds Gallery, University of Sydney.

The book is available from our research publication website [www.arch.usyd.edu.au/research](http://www.arch.usyd.edu.au/research).

By: Kath Kenny (Courtesy of Uninews)
GETTING ALL THE BEST IDEA IN THE BATHROOM

Over the past seven years, Sydney researchers led by Paul Pholeros and Col James have visited more than 4600 Indigenous Australian households across urban and regional Australia looking for ways to improve people’s living conditions.

Of the homes they have seen, only 33 per cent had a working shower, 26 per cent had laundry facilities and 56 per cent had a working toilet.

“Aside from food and shelter, there are three key areas to our health: that we wash once a day, that we are able to wash our clothes, and that we can remove waste. The people aren’t the problem, it’s the design and maintenance of the equipment,” says Professor Pholeros from the Faculty of Architecture.

As a result of their research, Professor Pholeros and Mr James have developed a prototype home clinic and wash room for the indigenous community in Redfern, and it is to be incorporated into 62 proposed new dwellings at The Block in Redfern.

Details of the room’s design arose from extensive research and workshops with health professionals, architects and Aboriginal leaders, with special attention given to disabled access. The room features a combined toilet and hobless shower, a medicine cabinet, a ceramic tub and bench with access from the inside and the outside, a wheelchair and a laundry trolley, and a combined washing and drying machine.

“Aboriginal people experience disability at an earlier rate than non-Aboriginal people because of endemic poor health. We don’t want architectural disablement,” said Dr Catherine Bridge, senior lecturer in the Discipline of Occupational Therapy at the University, and a consultant in the design process.

“Anything we can do to improve resources is fundamental to people’s quality of life and to the community,” she said. “The sort of thinking that went into this wash room is needed nationally,” added Professor Pholeros.

The wash room includes an ‘eco-metre’ which measures the water, electricity and gas output, and translates that into a monetary amount and carbon dioxide outputs. Hugh Snelgrove, a third year architecture student, and Gabriel Ulacco, an architecture graduate, spent six weeks sourcing materials, including the eco-metre, and building the prototype.

“Col gave us a 5cm by 5cm thumbnail sketch. Gabriel brought it to scale by generating a computerised visualisation, after which we could assess what we needed,” explained Hugh.

By Kate Rossmanith Courtesy (Uninews)
DISPARALLEL SPACES

Between the months of May and June of 2007, Sydney’s Tin Sheds Gallery hosted one of the most exhilarating exhibitions in the modern architectural epoch. Aptly named Disparallel Spaces and curated by Dr Marc Aurel Schnabel, the exhibition confronted problems in architectural design from a diversity of multi-faceted and eccentric approaches, setting the trend for novel viewpoints of innovation and spatial design, and offering a unique opportunity to experience the digitalized future in the field of architectural design. The art works were driven by creative use of computer-aided architectural design tools, scripting, parametric design techniques and fabrication, as well as crossover media. Fuelled by the theme Cliff-hanger, these artistic interpretations explored how the coupling of architectural design with digital modelling and fabrication methods allows for a deeper comprehension and experience of space and visual quality. Spatial concepts in disparallel configurations generated through knowledgeable employment of these tools in sophisticated and unorthodox ways formed the groundwork on which this imaginative collection was conceived.

Each individual piece in its developing phase explored design based on parameters. In order to construct a philosophy grounded in parametric dependencies and relationships, the designers used digital tools that enabled them to create and express their designs. Typically, architects employ such tools only for visualisation purposes after designs are completed in order to feed them into subsequent construction and manufacturing processes.

There are two inherent characteristics of parametric application. The first is that all entities start with a point in space and allow for the study of architectural conditions in a three-dimensional environment, rather than the commonly used two-dimensional context or layering techniques. The second elucidates the underlying concept of parametric modelling as an abstraction, which responds to manipulations in data, variables, and their relationship to other entities.

Participants of the exhibition employed their digital media skills early in their architectural studies to utilize and expand on their understanding and communication of various design issues in this challenge, following a tradition of design studios where participants explore design methods and tools beyond their original definitions and perceived limits2. The designs were translated using a variety of manufacturing processes, from digitally controlled milling machines and rapid prototyping to manual translation of the resulting creation. This crucial step between virtual to physical forms engages the designer in a tangible design process that bridges the gap between the initial idea and its realization. By presenting the work in a gallery environment, the works were again translated into another realm where interpretation of architectural design can transcend prevalent understanding.

Moreover, Disparallel Spaces was guided by the concept of three-dimensionality in the abstract theme Cliff-hanger. By doing so, spatial issues were addressed differently than on typical planar sites and a variety of architectural languages required the non-standard design exploration.

Acknowledgements

Photos are provided by Brett Boardman and Marc Aurel Schnabel. Curators of the exhibition were Dr Marc Aurel Schnabel and Nicole Bowller

Contact: Marc Aurel Schnabel
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GLOBAL STUDIO JOHANNESBURG

More than 85 students from 52 universities and 20 countries attended Global Studio Johannesburg from June 25-July 20. The studio was preceded by the international conference, People Building Better Cities, Architecture, planning, urban design, and landscape architecture students worked together in downtown Joburg as well as two townships-Alexandra and Diepsloot. The studio was supported by the City of Johannesburg, and some of the initiatives have already been taken up by the City. The project was led by Anna Rubbo, working with the University of Witwatersrand School of Architecture and Planning, Columbia University, the University of Rome and the University of Nairobi. Former GS student, Jennifer van den Bussche, was the project manager. The results of Global Studio Johannesburg were taken to the Rockefeller Foundation Urban Innovation Summit at Bellagio Italy July 22, where over a week professionals and academics discussed the challenges of urbanisation for urban professionals in the 21st century, and proposed ways in which universities could better address the needs of the urban poor. Sydney students Hugh Snelgrove (BDesArch), Georgia Bowen (BArch) and Mark Tyrell (M. Urban Design), and Adjunct Professor Paul Pholeros attended Global Studio. To coincide with UN World Habitat Day GSJ will present the film ‘New Mindsets’ on October 4 at 6pm in LT1 as part of the Thursday Night Lecture program.
AWARDS

Venice Biennale shortlisting

From twenty-nine applications by academics and practitioners throughout Australia, the RAIA has selected a shortlist of seven teams, including the Sydney/Melbourne team of Tom Heneghan (U. Sydney Chair of Architecture); David Neustein (U. Sydney BDesArch 2003); Peter Corrigan; BKK Architects; and Soren Luckins.

Heritage award acknowledges time and space

Catherine Lassen a leading Sydney architect and University of Sydney graduate has been awarded the prestigious Greenway Award for Heritage Architecture for her work on one of the University’s most significant rooms.

Congratulations to Lucila Carvalho for Winning Best Student Paper

Lucila Carvalho, a PhD student in Design Computing and Cognition, has won the Best Student Paper Prize for her paper “Knowledge and identity in the design field” at ConnectED 2007, the International Conference on Design Education.

Awards won by Digital Video Design and Production students - The real Neighbours

A student documentary by Wai Yuen Chong about an indigenous woman who remained positive despite losing brothers and other family members in tragic circumstances has won first place at a University of Sydney film night.

Jingfeng Xu, Awarded the CIOB Australasia Excellent Building Postgraduate (Research) Award

Jingfeng Xu is a PhD graduate and honorary associate of the Faculty. As part of his PhD he developed a new optimized method for making inexpensive anechoic rooms.

EVENTS

World Tree (part two) 2007
22 August 2007 to 15 September 2007
A sound sculpture installation by Alison Clouston & Boyd
A ten-metre native Cypress tree, salvaged from a dry Australian forest, stretches horizontally across the gallery on clinical white trestles. A network of copper pipes sprouts from the whorls of bark where branches had formerly grown and six sets of headphones allow listeners to hear a soundtrack of climate change that seems to emit from the tree itself.

Thursday Night Lectures – Wilkinson Building

Research Conversazione
Fri 26 October 12 – 4.30pm
The Faculty, along with the Faculty of Engineering, will be hosting the annual Research Conversazione. The Conversazione brings industry and the Faculty of Architecture, Design & Planning together, giving research students the opportunity to showcase their research and explore employment opportunities. For more information please contact Jennifer Ryan: jennifer@arc.usyd.edu.au

Postgrad Info Night
Thursday, October 11, 2007 - 5:30-7:00pm
Thinking about Post-graduate study? Come along to our information night and talk to academics and staff about the right study for you.

Spring Back To Sydney
Saturday 26 October 10am – 1pm
Specially targeting alumni from years ending in 7, the day is open to all alumni, a morning tea for alumni and tours of the Faculty will be available.

Alumni Careers Market Day
Tuesday, 18 September 2007, 12.30 – 6pm
Students get to meet potential employers and learn about future employment options.

If you would like to obtain further information about any of these awards or events please visit www.arch.usyd.edu.au and go to news and events.
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Julia Wilson, Editor
Carmen Lau, Designer
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DO YOU KNOW WHERE THESE ALUMNI ARE?
We have lost contact with some of our alumni, and are asking you for your help. We value our alumni and are keen to be in contact with as many as possible but we do not have contact details for the people on this list.
Could you check the list, and either: contact the alumni and ask them to update their own details at www.usyd.edu.au/alumni ; or send their details to alumni@arch.usyd.edu.au and we will contact them to verify their details. We are very grateful for your assistance.

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For further information about how these CPD opportunities can lead to a degree at the University of Sydney please contact Ms Jennifer Ryan on phone: 02 9351 2686 email: jennifer@arch.usyd.edu.au
http://www.arch.usyd.edu.au/cpd/

Tin Sheds Gallery
Exhibition information
see www.arch.usyd.edu.au > go to news and events

Thursday Night Lectures
Thursday night 6:00 pm in ALT 1
see www.arch.usyd.edu.au > go to news and events

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Please complete the following information and return to:
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