50TH ANNIVERSARY OF TEACHING CIVIL & STRUCTURAL ENGINEERING AT UTS

16 FEBRUARY 2017
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<tr>
<th>Simon Beecham</th>
<th>Sia Parsanejad</th>
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<td>Mario Benitez</td>
<td>Allan Pattison</td>
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<td>Les Cridland</td>
<td>Scott Smith</td>
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<td>Peter Hanley</td>
<td>David Tapner</td>
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<td>Manfred Hausmann</td>
<td>Ron Tinyou</td>
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<td>Jeppe Nielsen</td>
<td>Lana Venglinsky</td>
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HEADS OF SCHOOL

1968 - 1980  George Haggarty
1980 - 1981  Manfred Hausmann (Acting)
1981 - 1988  Ken Faulkes
1988 - 1994  Steve Bakoss
1994 – 1997  Geoff O’Loughlin
1998 – 2013  Bijan Samali
2013 – 2014  Viggi Vigneswaren (Acting)
2014 – present  John Zhou

(or equivalent position during the Faculty Matrix Structure period from 1998 to 2007 when Schools were abolished)
IMPORTANT MILESTONES

1966  First lecturer (Trevor Buchner) appointed
1967  First intake of students to Civil and Structural Engineering courses
1968  First Head of School (George Haggarty) appointed
1970  School of Civil Engineering created. Sandwich Program commenced (6 year course)
Mid 1970s  Massive growth in staff and equipment - Federal funding. (Class sizes 30 – 50)
1976  Postgraduate courses and Master of Engineering by thesis introduced
1979  Civil Engineering moved into Level 5 of Building 2
1980  First female students commenced. First overseas student graduated. (Some first year classes – 80)
1981  Ken Faulkes, the second Head of School appointed. Commenced a course review. Women in Engineering program commenced with major support from Ken Faulkes and Trevor Buchner.
1986  PhD programs introduced
1992  Reduced Federal funding - course changed to an eight semester program with 1.5 years experience.

1994  Civil and Environmental Engineering degree was introduced.

1998  All Schools abolished and a Faculty wide “matrix structure” adopted.  
Old courses were replaced by one BE degree with specialisations (e.g. Civil, Mechanical) being recorded as majors.  
Core subjects now taken by all Engineering students (lectures given to several hundred students with multiple tutorials)  
Professional Experience now two six month periods with academic subjects before and after each period leading to a Diploma qualification. Graduates were now awarded a BE (XXX) DipEngPrac.

About 2002  BE degree, with no Professional Experience introduced to attract overseas students.

2008  Engineering and IT Faculties amalgamated and Schools reintroduced – School of Civil and Environmental Engineering created.

2014  Engineering Faculty moved to Building 11
SCHOOL OF CIVIL ENGINEERING - UTS 1997
Working with nuclear waste disposal.
Taught as a Professor of Business at Saint Paul the Great Catholic University, California.
A keen pilot and has made over 1,800 parachute jumps.

8 successful world-record sky dives and holds the NAA round-trip trans continental speed record in his modified plane.

Wrote 2 books about his flying exploits: “Four Minutes” and “The Flight of the Feral Chihuahua”

Currently building his own four-passenger RV-10 plane.

Remember he jumped, as Santa Claus, into Moore Park for a Civil Eng. Christmas picnic.
SIA PARSANEJAD (1987 - 2001)

Retired 2001

Managing Director Ulti-Technique (Australia) Pty Limited, now trading as utech engineers, which is a boutique Structural and Civil Engineering consultancy.

In 2009, he retired and passed the firm on to his son and took an advisory role for him since then. He keeps busy playing a lot of bridge, some golf, some skiing and traveling extensively.

Sia now spends about six months of the year in the USA.
GRAHAM S TOFT (1969 - 1978)

On leaving NSWIT, gained a Ph.D at Purdue University in Indiana in public policy and urban engineering. He joined the staff at Purdue.

1989 - awarded the Distinguished Professional Planner Award by the Indiana Planning Association.


Worked at the Hudson Institute where he supports the work of Workforce 2020, Manufacturing 2020 and undertakes applied research at the state, regional and local levels.

He has retired recently and moved to Florida.
ALLAN PATTISON AM (1972 – 1975)

Served as Dean of the Engineering Faculty, Vice-President of NSWIT and Director-General of TAFE NSW.

He has been a Council member of NSWIT and UTS and the University of Western Sydney and a Professor of Engineering at UTS.

On retiring went into voluntary work for regional groups including the Hunter Valley Research Foundation and the Hunter Catchment Management Trust.

Awarded a Doctorate of the University by UTS and made a Member of the Order of Australia.

Inducted by Engineers Australia to the Water Engineering Hall of Fame.

2006 – 2010 Director of University of South Australia's Centre for Water Management and Reuse

2010 – 2014 Head of the School of Natural and Built Environments, University of South Australia.

2015 - Commenced his current role as Pro Vice-Chancellor of the Division of Information Technology, Engineering and the Environment (ITEE), University of South Australia.

A Fellow of Engineers Australia
A Fellow of the Australian Institute of Company Directors.
SCOTT SMITH (2003 – 2006)

2006 - 2012  Associate Professor, University of Hong Kong
2013 Appointed as the Foundation Professor of Engineering at Southern Cross University.
Now Dean of Engineering at Southern Cross University.
CIVIL ENGINEERING GROUP - UTS 2009

1982 Head of Information Sciences at Charles Sturt University in Wagga.

JOHN CORDEROY (1971 – 1984)

Became a Pro-Vice Chancellor at Q.U.T.

After retiring, he continued part-time lecturing at UTS and some consulting work.

Pastime hobbies include golf, gardening, grand children photography (history of photography), researching family ancestors and gourmet lunches with some fellow retirees.

He participated in the activities of the University of the Third Age (U3A) He reminisces about the enjoyable working relationships, he had with many of the former staff of the School of Civil Engineering, UTS.
DAVE TAPNER (1971 - 1995)

Dave retired from UTS partly due to heart problems. Still undertook a lot of engineering design consulting work. He spent 7 months updating the positions of channel markers on the Brisbane Waters Hydrographic Chart that he had prepared initially with Alan Brady, Jeff Holmes and Joe McMahon in the late 1970s. The newly published official Naval chart shows his name on it and is largely his work. In 2016 he needed to have a heart valve replaced and suffered a stroke at that time. He is making a good recovery but is now in ‘Wahroonga House’ Nursing Home. He can walk 30m on his own and there is hope he may be able to return to his Koolewong home around the middle of this year.
KEITH CREWS (1993 – PRESENT)

Keith currently the Project Leader for the new FEIT Laboratories.

2006 - became a professor of Structural Engineering

2011 to 2015 - Faculty’s Associate Dean – External Engagement

He has won numerous national and international awards for his Timber research and has been and still is a referee or editor for over 20 Conferences, technical publications and journals.
RON TINYOU (1973 – 1987)

Ron is a co-author of a classic Steel Designers Handbook. After retiring from UTS, Ron continued his teaching career Part-Time at TAFE and with Professional bodies till very recently.

He has continued his Chinese language studies as well as researching his family history.

He is now 94 and still living at his home in Lindfield.
JEPPE NIELSEN (1984 - 1989)

Jeppe left UTS and became an Associate Director at Patterson Britton & Partners, Sydney, for six years.

1995 - set up Nielsen Environmental Pty Ltd and was Director until 2001.

2001 - became the Manager, Water and Wastewater, Snowy Mountains Engineering Corporation, for three years. He then spent one year as Principal - Integrated Catchment Management, URS Australia.

2005 - 2008 he returned to his consulting company.

2009 - 2016 an International Consultant for East Meets West, a World Bank funded program to design, construct and build 82 new clean water systems in rural areas of Central Vietnam and the Mekong Delta.
GEOFFREY O’LOUGHLIN (1975 – 1998)

On leaving UTS, Geoff joined David Robinson and Laurie Rose in consultancy practice at Parramatta. He spent ten years there.

At the same time he was further developing and enhancing the Hydraulics and Urban Drainage design program DRAINS, that he had created. He also embarked on a sales program and ran training courses related to DRAINS.

He also partnered research programs in the Hydraulics Lab at UTS with Jaya Kandasamy and is now starting to do “retired person” things like going on cruises and charity work.

1987 to 1988 - Senior Engineer with Cameron McNamarra Pty Ltd from Pty Ltd - focussed on water resources related projects, environmental assessments and a small amount of traffic engineering.

Cameron McNamarra was acquired by Kinhill Engineers primarily working on water resources projects with Kinhill.

1992 - Held a variety of technical and management roles GHD Pty Ltd in the Sydney and then Newcastle offices. Working on projects in Asia, Middle East, New Zealand and throughout Australia. In recent years he has been primarily involved in the planning and design of major road and rail infrastructure projects, urban development planning, mining and the provision of specialist advice in relation to legal matters.
FELIX BARDA (1973 - 1989)

PAK LIU (1978 - 1996)

Both set up their own very successful consultancy practices.
MARIO ATTARD (1985 - 1986)

HAMID VALIPOUR (2010 - 2012)

Both are UNSW Associate Professors.
MARK CARLETON  (1986 - 1990)

Has spent 15 years as the NSW Commissioner of Inquiry for Planning and Environment reviewing major projects such as mines, ports and freeways etc.

He has served as an Acting Commissioner of the Land and Environment Court and undertook consulting work related to major highway upgrades and Transgrid corridors.

Finishing his active engineering work as the Sydney Water Alliance Manager on a design, build, construct and operate project of three hydroelectric stations and 12 cogeneration power stations supplying 20% of Sydney Water's annual power.

Infamous for having run the Tower Building out of water for 24 hours when he emptied and refilled the hydraulic lab flume not realizing it is larger than the tower building's roof top tank (only refilled at night off peak).
MANA PATARAPANICH  (1988 - 1995)

Joined one of the largest consulting firms in Bangkok, Southeast Asia Technology Group, in charge of a subsidiary firm, Aspac Consultants Co., Ltd.

2004 - set up a small consulting firm, Sea Spectrum Co., Ltd., specializing in Port and Coastal Engineering. Working on interesting projects for several government departments and private companies, such as; Marine Department, Department of Marine and Coastal Resources, Department of Mineral Resources, Department of Irrigation, Office of Natural Resources and Environmental Policies and Planning, Electricity Generation Authority of Thailand, PTT Exploration and Production Co., Ltd., Sahaviriya Steel Industries Group, and Chevron Thailand.

Current projects include designing two tourist boat piers in the Andaman Sea, a dry bulk terminal for sugar export, river entrance training jetties, and coastal erosion protection works in the Gulf of Thailand.

Foundation member of the School’s Yum Cha Club.
FERGUS BELL  (1975 - 1981)

Joined Scruttons dealing mainly with Shimadzu testing machines.
1990 – Went to Inspek, which was bought out by AMEC.
1992 - returned to Scruttons for 2 years.
1995 - 2007 set up his own business Amitest, dealing with all types of industrial testing products.
On leaving UTS, Michael set up a manufacturing business which grew to 28 employees, making Medical and Veterinary Equipment.

In 2001, after struggling for two years with low sales resulting from various business decisions and market conditions we went into voluntary administration, and the business was sold. Mick continued to work in the business until 2006 in a management role.

In 2006 he left to start my own small business, Bloodline Equipment, which sells and services Veterinary Equipment, which I continue in today.

He is happily married with three children and six grandchildren.
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<th>Name</th>
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<tr>
<td>John Ivering</td>
<td>1969 - 1999</td>
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<tr>
<td>Name</td>
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<tr>
<td>Ken Griffits</td>
<td>1978 – 1987</td>
<td>Carey Bay, NSW</td>
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<td>Jim Irish</td>
<td>1994 – 2006</td>
<td>China</td>
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<td>Gerry Ring</td>
<td>1975 -</td>
<td>Gloucester area</td>
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<td>Hung Chung</td>
<td>1975 -</td>
<td>Melbourne</td>
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<tr>
<td>Richard Lai</td>
<td>1989</td>
<td>Unknown</td>
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<tr>
<td>Ian Hutchings</td>
<td>1969 - 2004</td>
<td>Crookwell</td>
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## IN MEMORY OF

### ACADEMIC STAFF
- Trevor Buchner 1966 - 1987
- Ken Faulkes 1981 - 1988
- George Haggarty 1968 - 1979
- Jack Kaganer 1967 - 1984

### TECHNICAL STAFF
- Ron Miller 1972 – 1992
- Milo Taragel 1972 – 2007
- Bob Tickell 1971 – 1974
On 15 February 1967, the first intake of 120 students to the Civil and Structural Engineering Diplomas (later upgraded to Degrees) attended an Orientation function in Turner Hall, Harris Street, Ultimo.

The teaching of Civil Engineering at NSWIT was about to begin.

In 1972 the following people comprised the first graduating cohort.

**CIVIL ENGINEERING:** John Vagulans, Lawrence ROSE, William JORDAN, Ken HALSTEAD, John CORRY, Brian FARMER, Kevin GREEN, Peter HANLEY, Ken HANSFORD, Jeffrey HAWKINS, Alan LALICH, William DAWSON, Ian HAYES, Ross HAYWARD, Alan MORRISON, Eric RALPHS, Walter VENABLES.

**STRUCTURAL ENGINEERING:** Anthony FOGARTY, Robert COLEFAX, Keith THOMAS.
KEN HALSTEAD

Worked in local government for 29 years, 20 years of which were at the Senior Staff (Management) level at three councils.

1978 - part time lecturing at NSWIT on Local Government Law and Engineering and Town Planning.

1994 - Joined UTS on a full time basis. He has served as Director of various Local Government related coursework programs.

2016 - retired


2008 - 2012 - Mayor

2016 - 2018 - Mayor elected for another term
ROSS HAYWARD


1974 – 1997 Eurobodalla Shire Council – ‘few years’ stay turned into a lifetime. The fast growing council provided a wide range of civil engineering experiences.


2000 – 2010 Self Employed – an enjoyable period mainly involved with IPWEA arranging and presenting topics to engineering staff in southern NSW.
LAURIE ROSE  AM


2003 – 2012 Executive Chairman, Brown Consulting. From then he became the Manager Urban Strategy (Calibre Consulting), a position he still occupies.

Member of the Order of Australia (General Division) AM for service to Town Planning particularly Urban Design and service to Water Quality particularly erosion control.

Honorary Life Member of both the Urban Development Institute of Australia, where he was a NSW Councillor for 33 years, and Stormwater Industry Association. He, along with Geoff O’Loughlin and David Robinson were co-founders of the SIA.

Councillor with International Erosion Control Association (Australasia) and the Housing Industry Association.

Member of the Urban Land Institute (USA).
Apprentice in fitting and turning then became a draftsman.

1968 – 1996 Simon Carves (Australia) as a design draftsman, culminating as Operations Manager. This involved working on the design and construction of major chemical power plants.

Completed a Master of Business Administration at Macquarie University at the age of 50.

Joined Fluor and was originally responsible for the commercial aspects of a major feasibility study for Australian Magnesium Corporation.

Appointed Australian Business Development Manager for the Mining & Metals Business Group, then Senior Director of Sales for the Fluor Energy & Chemicals Business Group.

Appointed Executive Director of the Fluor Australia Pty Ltd Board in 2009. Ron retired from Fluor after 15 years at the age of 72.

Since retiring, Ron completed the AICD Company Directors Course and is now a Non-Executive Director of the oil & gas organisation ‘Wellsite Permit To Work Association’.
Ian worked with Hornsby Shire Council for two years then became Shire Engineer at Warren where he worked till 1980.

He worked with Laurie Rose for two years then set up his own Consulting Civil and Structural Engineering practice. He became Licenced Builder and the practice prospered.

In 2007, Ian tried to retire, … and went to Uzbekistan as a Surveyor on an archaeological dig with Sydney University.

In 2008, Durham University signed him up for the same job in Jordan with their dig.