



ICE Representative for NSW
(2014 – Current)

Matthew Colton

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I am a Chartered Civil Engineer, a Fellow of the Institution of Civil Engineers and a member of the Australian Institute of Company Directors.

I am a mentor for engineers preparing for professional qualification with Engineers Australia and ICE. I am a qualified as an ICE Professional Reviewer. I was appointed by Great George Street as the NSW Local Association Representative in 2014.

I was previously the Chairman of the Institution of Civil Engineers, New South Wales Association. Over five years I formalised the committee structure with clearly defined roles, responsibilities and a succession plan in order to efficiently achieve our Business Plan. I instigated the centralised email and cloud storage, arranged charity status bank accounts, facilitated a general web presence by purchasing an ICENSW domain and created the ICE NSW [LinkedIn page](#). The new committee structure and organisation provides long term consistency and the foundation to achieve our objectives.

I instigated and developed a strong working relationship with other professional organisations including the UK Department of Trade and Industry, and Engineers Australia (EA). I negotiated use of EA's facilities at their Headquarters in Chatswood for ICE's technical presentations. I led discussions with IStructE and the Concrete Association enabling ICE members to attend these other organisations' events at the same cost as their respective members, vastly increasing ICE NSW members' continuing professional development opportunities.

I am the Director of *Management • Consulting • Engineering Pty Ltd* (MCE) an expanding business offering boutique engineering design and management consultancy services to the public and private sectors in New South Wales. Matthew has over 15 years international design and program management experience encompassing early client definition, optioneering, inspection, assessment, scope definition, feasibility studies, detailed design and the commissioning of structures and earthworks associated with major infrastructure projects.

I am an avid rugby union fan and enjoy watching Super 15, European and international rugby when my wife and two fantastic young boys give me the opportunity.



Committee Chairperson

(2015 – Current)

Phil Robinson

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I am a Chartered Civil Engineer with 26 years' experience, of which the last 22 years have been devoted to work in the railway sector. I am a Technical Director in Aurecon's Transportation Services Group and head up the New South Wales Rail team.

I have been involved with the delivery of a number of key rail projects in NSW, including the Southern Sydney Freight Line, the South West Rail Link and the Inner West extension of the Sydney Light Rail network.

Prior to moving to Australia in 2005, I was a Regional Director at White Young Green responsible for managing the York Rail Office. I was fortunate to work on a range of interesting projects including the major upgrade of Leeds Station, the extension of the Tyne & Wear Metro and the repair of bridges and viaducts along the impressive Settle to Carlisle line.

I became a Fellow of the Institution of Civil Engineers in 2013 and since then have been an active member of the ICE NSW association I am keen to build on the great work already undertaken by the Committee in raising our profile in NSW and making the ICE NSW association relevant to the needs of our members.

I am married with two sons and in between ferrying them to their football matches, I am learning to play guitar.

Vice Chairperson***(2015 – Current)******Stephen Pascall***committee@icensw.com

I've been a committee member in NSW since 2006. I have an honours degree in Civil Engineering, I am a member of ICE NSW, a Chartered Engineer and a member of the Australian Institute of Company Directors.

My early career in the UK included delivery roles in constructing the Jubilee Line Extension and senior positions at London Underground.

Working for Transport for New South Wales for 5 years I played a leading role in the delivery of some of Australia's most significant rail infrastructure projects in recent years, including the Epping to Chatswood Rail Line, Chatswood Transport Interchange and finally I was the Project Director for the \$2.1Bn South West Rail Link.

In 2013 I joined Laing O'Rourke as their Rail Sector Lead across Australia, New Zealand and South East Asia. In this role I lead the strategy and growth of their extensive rail business.

I'm currently living on the Northern Beaches with my wonderful family. In my spare time I like to cycle with the kids, swim and enjoy the relaxed Australian life style that this country offers.

***Student Representative
& Vice Chairperson
(2015 – Current)***

Jonathan Durnell CEng MICE CGeol FGS
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I am a Chartered Civil Engineer and Chartered Engineering Geologist with over 10 years' experience in commercial, aviation, defence and infrastructure projects. Currently I specialise in the design and management of multi-disciplinary infrastructure projects for Aurecon.

I have been part of local ICE NSW Committee since 2011 when I joined as the Young Professional Representative. I drove the establishment of the Aurecon Company Training Agreement and subsequently became a Chartered Member in June 14. I now act as delegated engineer to a number of graduates in Aurecon and assist students based in Sydney with establishing a student committee to provide support to our growing local student membership.

Prior to this I sat on the British Tunnelling Society Young Members committee as secretary.

I arrived in Australia following a period of travel in South America as a backpacker and found employment as an engineer with Aurecon based in Sydney. My varied experience was gained working for Mowlem Environmental Sciences Group and WSP in the UK, Africa and the UAE.

I love to travel, and since moving to Australia I have visited all the states and territories apart from Tasmania, most recently travelling from Broome to Darwin and exploring Kakadu. When I'm not traveling in my down time I like to swim, paddle board and eat well.



Professional Review Officer
(2015 – Current)

Alex Falvey

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I've been a committee member in NSW since 2006 and a reviewer since 2011. In 2011 I took on the 3-year tenure of Representative, which ended in December 2014. Over this time I instigated the re-organisation of the NSW committee, splitting the Rep and Chair roles. With huge thanks to my Chair, Matt Colton, I'm pleased to have led a lively and meaningful Local Association only possible due to a committed group of committee members.

My early career was with British Rail and Scott Wilson. I achieved chartered status at the end of 2004 and relocated to Parsons Brinckerhoff/WSP in Sydney in 2005 looking for new challenges, and better weather! Our rail team of three when I joined is now a national rail team of 130, consistently winning some of the biggest infrastructure projects in the country. I've been fortunate to work on landmark new overground and underground railways, and light rail schemes that are transforming Australian capital cities. Brown field improvements, duplications and extensions have tested and expanding my detailed understanding of design in the challenging rail environment. I recently joined Arup based in Sydney.

I'm living the ex-pat dream(!) in Tamarama near Bondi Beach and cycle from sea to office. My spare time is taken up following minor premiers the Sydney Swans (Ed. please revise this to Premiers on 27-September), and frequent trips along the beautiful NSW coast. Plus I'm a full-time coach and some-time referee for my two amazing sons.



NSW Diversity Officer
(2015 – Current)

Rebecca Main

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Hello! I am the ICE NSW Diversity officer, appointed in May 2015 and am a recently chartered member of the ICE.

I graduated from the University of Bristol in 2007. I joined the Arup geotechnical team in 2008 and for the first few years of my career I was based in the South West of England working primarily on Network Rail Earthwork remediation schemes. I then moved to the Arup HQ in London (where I enjoyed many lunchtimes sitting in Regents Park) and worked as a numerical analyst on the Crossrail project specifically assessing the soil structure interactions for the deep basement stations and complex tunnel geometries. In 2011, I moved to Sydney and subsequently spent a year on site as the resident design geotechnical engineer for 22km of new railway in the Hunter Valley. I learnt to drive a 4WD through mud and the inner workings of a large construction site. Since returning to the office I have been responsible for the leadership of a number of projects and have moved into more of a project management role, mentoring staff as they progress their own careers. Since late 2015, I have been seconded to the Piling Contractor Bauer Australia JV as their appointed Design manager for the new Barangaroo Crown Casino Hotel & Resorts basement. I am responsible for facilitating the smooth running (and sanity reviews) of the detailed design for the basement retaining wall and in ground structures which is being undertaken by AECOM in Sydney and Benaim in HK- with reviews by four independent parties. My job is tangible, sometimes chaotic but highly rewarding. I am playing a role in shaping the future skyline of Sydney which is nothing but exciting.

In my spare time, I love to talk to my cats, play ping pong with my cats and ride my road bike.

***Fellows Representative
& Expert Panels Officer
(2014 – Current)***

Ben Hamer

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Prior to moving from England to Australia and joining the ICE NSW committee, I enjoyed four years as Chairman of the Institution of Civil Engineers' Maritime Expert Panel. I also sat on the Central Dredging Association British Section.

In 1995, after working for HR Wallingford and at West Dorset District Council in the UK, I joined Halcrow Maritime and was responsible for managing and directing a variety of multi-disciplinary coastal and port engineering projects in the UK and other countries.

In recent years, I have acted as technical expert in coastal defence planning and implementation of schemes in the UK, Middle East, USA and South-east Asia. I was project director for the master plan to formulate a response to Hurricane Katrina in Louisiana in the USA. I subsequently led a cross-industry team on project creation to initiate major infrastructure projects in the UK.

My recent work in thought leadership for the ICE has included co-authoring the paper "Unlocking the Potential" for Marine Renewable Energy as an industry in the UK, and contemplation of the future of sustainable coastal communities in "Living with Rising Sea Levels." I have also provided input to numerous ICE State of the Nation reports and policy papers.

Following the acquisition of Halcrow by CH2MHILL in 2011, I led project delivery and commercial risk management in Europe and subsequently internationally. Presently, I head the transportation business for CH2MHILL in Asia Pacific covering the geography from Sydney.

I am a keen cyclist, armchair rugby expert, and enjoy time at the coast with my wife and two daughters.



Advocacy Officer
(2014 – Current)

Jon Holliday

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I have been involved with the ICE since the early days of my career in 1980 but only became a graduate member of ICE in 2001. I am a Chartered Geologist and have acted as a qualified scrutineer for new chartership applicants. I became a Fellow (FICE) in 2015 after my successful direct entry application. I have acted as a mentor, Delegated Engineer and reviewer for Mock CPR Review for a number of ICE graduates.

I am a Geotechnical Adviser with over 30 years international experience of major civil engineering projects in a wide variety of industry sectors including roads and railways; airports; power stations and distribution; ports, harbours and coastal defence; major buildings and infrastructure developments; and mining; and tunnelling. I am currently an Associate at Aurecon in Sydney.

I am passionate about my profession and, as the Advocacy Officer, keen to collaborate and promote best practices in geotechnical engineering investigation, analysis and design through the ICE Expert Panel in UK.

I moved to Sydney in April 2011 and joined the ICE NSW Committee in August 2011. I was elected as Vice Chair in 2012. In 2013 I took on my current role as Membership Officer and in 2015 Advocacy Officer was added to me responsibilities.

It has been a great experience working with the ICE NSW Committee. We are a keen and active bunch of people dedicated to promote the ICE in our region; to grow the membership; to provide first class technical presentations and networking events and support our members through events such as our WAG (Written Assignment Group) group meetings.

The ICE is a great global Institution and I whole heartedly recommend all members to seek support, get engaged in the many activities on offer; commit to lifelong learning and CPD and strive to obtain the highest levels of professional recognition and qualification. We are your point of call for anything ICE.

Finally - it is never too late to join the ICE or to gain chartership! as my recent FICE achievement will demonstrate to you all!

Please – get involved and good luck!

Publicity Officer
(2011 – Current)

Geoff Amblin
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After many years of working internationally, essentially from a UK base but including periods of residency in Libya, Qatar, Bahamas, Mauritius and New Zealand, I moved to Australia in 2007 and decided to stay. I joined the NSW ICE committee in 2011. My role is to disseminate information about the activities organised by the committee, through our newsletters and webpage.

My background is in water and wastewater engineering although I am currently project-managing a transport-related project at Worley Parsons in Sydney. Apart from an 18 month stint with Anglian Water in UK, I have worked entirely for international engineering consultancies. This was a conscious decision on graduating from university (Imperial College, London) to satisfy my desire to travel, as much as to work on the design of water-related infrastructure. My early career was with Howard Humphreys in SE England (later to become part of Brown & Root, now KBR) by whom I was employed in UK and Libya. This period also included 16 months in Nassau, Bahamas as Resident Engineer supervising the construction of watermains, sewers and pumping stations in the commercial heart and main tourist area of the town.

In 1992 I joined Montgomery Watson (later MWH) in their UK-based international division and enjoyed managing projects in Brazil, Lebanon and Egypt. I spent much of 1997-98 residing in Mauritius where I established the company's local office and managed feasibility studies and the design of a major wastewater treatment plant to serve a third of the island's population and provide much-needed irrigation water for sugar plantations on the west coast.

I now work on a freelance basis and live in Norton Street, Leichhardt in Sydney's inner west. I occasionally run with the Sydney Thirsty Hash House Harriers running group; and am a songwriter and amateur musician in my spare time.



Assistant Publicity Officer
(2014 – Current)

Simon Vaux

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I'm a chartered civil engineer with 14 years' experience managing the delivery of transport infrastructure, having worked in both the private and public sectors in Australia and the UK. I joined the local ICE NSW Committee in 2013, and understand I'm currently the token Aussie of the group. I am responsible for managing our LinkedIn communication with members.

I'm currently employed as a Senior Technical Manager at Transport for NSW, and have been a part of the Transport Projects team since 2007. During this time I've undertaken various engineering management roles, working to successfully deliver a number rail infrastructure projects in and around Sydney.

Outside of my project role, I'm currently Chair of the TfNSW BIM Working Group, which is leading the development of the long term strategy for BIM implementation at TfNSW. I'm also fortunate to be leading our first formal pilot study, investigating the application of 5D BIM on a rail infrastructure project.

Prior experience includes various client and consulting roles with Transport for London, London Underground and various motorway projects around NSW.

Membership Officer
(2011 – Current)

Tim Summers

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I have been involved with the ICE for many years, commencing my career in 1977 under an indenture programme with the Society of Civil Engineering Technicians which was affiliated to the ICE at that time. During my early career I was involved in land drainage and water related projects before spending a number of years on military infrastructure.

In 1986 I graduated from Oxford Brooks with a 1st Class Honours Degree in Civil Engineering. After gaining Chartered status I have continued to be actively involved with the ICE, firstly as a committee member and subsequently as chair of the Peterborough branch and a committee member of the East of England Management Group. Moving to Australia, I joined the NSW Committee in 2011, initially taking on the responsibility of managing the CPR reviews in Australia.

I am currently a Principal in GHD's Project Management and Delivery group in Sydney, following two years in Queensland with Seqwater. Previous roles included; Business Manager of Atkins' Rivers and Coastal Business in Peterborough, Section Manager of SKM's Environmental Engineering business in Sydney and Team Leader of AECOM's Water business in Sydney.

My technical expertise is in the area of flood risk management and water engineering although I have experience in highway design and structures

Honorary Treasurer
(2013 – Current)

Ian Hardcastle

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Hi, my name is Ian and I'm the division's Honorary Treasurer.

I graduated from the University of Newcastle Upon Tyne in 2004 with an MEng (Hons) Degree in Civil and Structural Engineering. This period was a particularly interesting time for me in Newcastle because of Government investment and the Gateshead Capital for Culture bid afforded the development of the Baltic Flour Mills, The Sage Opera House, the Ouseburn and Quayside redevelopment and the construction of the award winning Millennium Bridge. These exciting major projects gave me an insight in to the transformational power of the engineer in society and the improvement that good engineering and architecture can provide to communities. I have spent time working in design offices (BDP and Buro Happold) and for contractors (Kajima, Morrison construction and Laing O'Rourke) in various roles in both the UK and overseas.

In my current role I am the leader of the Laing O'Rourke Digital Engineering (BIM) team responsible for supporting tenders and secured projects and driving group strategy in Digital Engineering. In this role I interface with other business leaders to shape Digital Engineering strategy across sectors and disciplines, whilst monitoring external developments through relationships and attending technical lectures. I consider myself a technical specialist with leadership responsibilities. I am passionate about generating greater certainty of outcome and productivity on complex projects by using modern technology.

I am responsible for the scoping of projects and resourcing accordingly to facilitate successful delivery, driving the adoption of digital engineering by the business, underpinned by standard processes to maintain consistency across group practice. I have developed the curriculum and established graduate rotations through the Digital Engineering department to upskill future leaders with key skills using Digital Engineering, an achievement which I am proud of. I am a firm believer in using innovation to make construction safer and more efficient and regularly works with the in-house Engineering Excellence Group.

I commenced the role of Honorary Treasurer for the NSW ICE Division in 2013, after moving to Australia in the same year. This role allows me to manage the groups cash flow, expenses and liaise in event planning and the organisation for the regions eagerly anticipated ICE Christmas party.

Outside work I am a keen runner, cyclist and swimmer.

Honorary Secretary
(2015 – Current)

Nuno Muralha
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I am an Incorporated Civil Engineer with over 13 years' experience in road and rail infrastructure projects, specialising in the design, management and leadership of major multi-disciplinary infrastructure projects in the UK, UAE and Australia. I joined the local ICE NSW Committee in 2015 and I am responsible for maintaining and recording the committee activities.

I moved to Sydney in 2011 from the UK and joined Aurecon where I am currently employed as an Associate/ Senior Project Manager in the Transport Services. My experience includes transport planning and feasibility studies, preliminary and detailed design, procurement strategies and construction supervision. I am a Certified Practitioner Project Manager with The Australian Institute of Project Management and I have strong leadership and project management skills with a proven track record of delivering complex infrastructure projects for a range clients.

My involvement with the ICE started as a graduate highways engineer and my technical expertise is in the highways maintenance design and construction supervision to various local authorities in the UK. As a graduate, I took a number of roles within the ICE Graduates & Students (G&S) Committee for the South East England. I started as Honorary Secretary and the last two years of my involvement I acted as Vice-Chair and Chair of the G&S Committee.

I became an Incorporated Civil Engineer of the Institution of Civil Engineers in 2008 and since then I have been acting as project manager in very interesting and challenging projects such as the M25 Smart Motorways upgrades in the UK (previously known as Managed Motorways) and the current NorthConnex tunneling project in Sydney.

Since moving to Australia our family of two increased and 2015 will always be a special year for me and my wife with the arrival of our first son who is now 4 months old. I am keen snowboarder and I like to enjoy the Australian outdoors and beaches with my family.

Events Officer
(2015 – Current)

Adam Gaffney

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Hi, my name is Adam and I'm the division's Events Officer.

I graduated from the University of Manchester in 1999 with a BSc MEng (Hons) Degree in Civil Engineering. My involvement with the ICE started during this time as a student member. I began my engineering career in the UK working in Sheffield and Norwich gaining experience in design and construction of roads and bridges. I moved to Australia in 2003 and joined a design consultant gaining chartered status in 2005. Interestingly my review by video-conference was a first for the ICE, with the reviewers in the UK.

I am currently the NSW Manager for the Civil Group based in Kellogg Brown and Roots' Sydney office and work closely with the strategic team to plan and manage resources for current and future workload.

My recent project experience includes design management of civil infrastructure projects, including feasibility studies and the detailed design of road, rail and water projects. Highlights include working on Sydney's Cross City Tunnel, Reliance Rail Maintenance Facility, and the Norwest Rail Link Project.

I am currently leading the design team for the design of the Maintenance Depot for Australia's first driverless metro railway in North West Sydney.

I commenced the role of Events officer for the NSW ICE Division in 2015 having been involved with the committee since 2013. This role involves me working with the rest of the committee to plan and coordinate the divisions events.

Outside work enjoy cycling, zumba and learning to surf.

Assistant Membership Officer
(2015 – Current)

Thomas Lee

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I am a Chartered Engineer with 16 years' international experience in the design and construction of multidisciplinary engineering and construction projects.

I am an experienced Design Manager with Laing O'Rourke, and have spent a number of years developing and delivering TfNSW station upgrade projects for the TAP programme. I have worked through the full life cycle of the projects from feasibility / reference through to detailed design and commissioning. I have a detailed understanding of the TfNSW standards and guidelines and currently manage Laing O'Rourke's AEO management plans for Rail Projects in the Southern Region.

I have worked in multiple global locations including China, Africa, Europe and the UK and have now settled in Australia. I have a background in Civil, Structural Engineering and Construction. I am a chartered Civil Engineer CEng (MICE) and have DAIPM and Prince 2 qualifications in Project Management.

I have experience in both client and consultancy based project delivery and execution. I also have experience with Design and Construct Projects.

In my spare time I like travelling, training and competing in IronMan events. I am an amateur pianist and enjoy watching Wales play rugby union.



***Young Professionals Representative
& Vice Chair***
(2015 – Current)

Julia Proud

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I originally joined the Written Assignment Group soon after I moved to Australia back in early 2012. Since that time I have taken over the running of the group and regularly arrange presentations and group meetings on a bi-monthly basis to support graduate members working towards their Professional Review. It's not all down to me though, as we have a great support network from the other experienced committee members who attend the meetings.

Since graduating, I have worked mainly for Principal Contractors and for the last 10 years I worked for a large international Electricity Transmission and Distribution company building HV Air-Insulated and Gas-Insulated substations, from 132kV up to 400kV, both in the UK and Australia, . This year I have taken a change in direction and now work for a small civil engineering and project management company, AT&L, where we focus on delivering design and management services across residential, industrial and commercial developments and public infrastructure projects. We cover everything from earthworks, pavements, WSUD, stormwater, road and site works design as well as project managing design and construction and contract management. My current, main project, is the project management of the civil infrastructure and road design for the new \$300M Shark Park development at Cronulla, which is a combined commercial retailer and residential development.

I currently live in Abbotsford overlooking the water and am so glad I made the move to Australia with my husband. I love the outdoor life here and the weather plays a major part in the attraction of living and working in Australia. I'm a regular yoga devotee and swimmer as I'm currently going through rehabilitation after breaking my back. Unfortunately, the running and cycling has had to stop but I still get out about doing coastal walks and enjoying the National Parks spread around Sydney.