

# Candidates' Election Statements

## Election of Vice-Presidents and Ordinary Council Members 2013

### **Please read carefully before marking your voting paper**

An election is being held for Vice-Presidents for 2014 and for ordinary members of the Council for 2014-16.

The candidates validly nominated for this election have provided information about themselves and the basis on which they are standing. This information is set out on the following pages. Candidates are listed (as they are on the ballot paper) in random order.

### **Vice-Presidents**

Vice-Presidents hold office for 1 year.

The number of vacancies for Vice-Presidents is 2.

The election is being conducted using the first-past-the-post method of voting.

### **Ordinary members**

Ordinary members hold office for 3 years.

The number of vacancies for ordinary members is 10.

The minimum number of ordinary members (continuing in office and to be elected) from any electoral region is 1 (apart from region 11 (Hong Kong), where it is 2). To fulfil this requirement, at least one candidate from Region 9 (South Eastern Counties) and Region 11 (Hong Kong) must now be elected. There is no maximum number from any region.

Subject to this overriding condition, the election is being conducted using the first-past-the-post method of voting.

As only one candidate has been nominated in each of Region 9 (Simon James) and Region 11 (Eddie Lam) they are automatically elected.

### **How to vote**

You may vote for up to 2 candidates in the Vice President category.

You may vote for up to 8 candidates in the Ordinary Member category.

You may vote by either internet or post. Please follow the instructions on the ballot paper.

**To be valid, your voting paper must be received by Monday 2 September 2013 (12 noon GMT).**

## **Election of Vice-Presidents**

## PAUL A BURRELL



### CEng FStructE FICE FBEng MAE

Senior Partner, The Burrell Partnership

Elected Associate-Member 1984, Member 1994, Fellow 2000.

Member, Council 2009-11; Member, Health and Safety Panel 2013; Chartered Membership examiner 2005- Member, East Anglian Regional Group, Member, Committee

2000-, Chartered Membership course provider 2005-, Education member 2011-.

Sir Frederick Snow and Partners, Technician and RC detailer (6 years), Fordham Johns, Design Technician (2 years), Ernest Green and Partners (15 years).The Burrell Partnership,(13 years). Currently undertaking Professional Doctorate at Anglia Ruskin University, finish 2014.

As someone who had to achieve membership through an unorthodox manner, I am passionate about education and the role of the Institution. That is why I became an examiner and responsible for my regional group Chartered Membership course. My previous acceptance to Council had to be on the basis of being an elected member and not as regional chairman. I believe in being judged on a mandate from the membership at large.

The world is changing and the Institution must change with it, soon overseas membership will be greater than that based in the UK. Whilst this should not be seen as a problem, international focus must not take sole precedence over ordinary members. However this greater international profile should strengthen our right for self-determination and for a protected title of '*Structural Engineer*' and should not be missed. That is why we, and the growing international membership, sit the '*gold standard*' of the Chartered Membership exam. We are a learned Institution and we should be recognised accordingly.

## FAITH H WAINWRIGHT



### MBE FREng BA CEng FStructE FICE

Director of Arup, Dean of Arup University

Elected Member 1987, Fellow 2002

Member, Council 2003-06; Member, Communications Strategy Committee 2003-06; Member, Engineering Practice Committee 2003-5, Vice Chairman 2004-5; Member, Working Party on Safety in Tall Buildings 2001-02; Member, SCOSS 2001-07; Member, CROSS 2005-11; Member, Joint Board of Moderators 2004-10, Deputy Chair 2007-10.

Joined Arup as a graduate in 1983, Director in 1999. Has led the structural design for a number of distinguished projects including Tate Modern and HSBC Canary Wharf, and since 2005 has led the firm's strategy for technical skills development and is currently Dean of Arup University.

I believe most people are naturally motivated to reach beyond what they already know, for something even better. The Institution can, and should be, supporting and inspiring structural engineers in all areas of industry and academia, all membership grades, to perform at the best possible level in designing and delivering safe, sustainable and elegant structures.

My interests are broad: I would like to see those who teach in our universities given more support by the Institution – perhaps doing more to enable easy access to industry partners and case studies. Students thrive on involvement in real projects. I would like to see the needs of smaller firms met by the Institution, alongside the large and familiar names - everyone who employs a chartered structural engineer will expect nothing short of the highest professional standards.

Probably the most important work I have contributed to the Institution to date is helping to get CROSS - Confidential Reporting on Structural Safety- off the ground. Learning from specific incidents and near-misses is very powerful, and passing on a story without identifying specific people and projects is not easy. CROSS has done this - it has enabled this 'gritty' type of learning to be part of how the community works. The Institution is indeed a professional community and I would be honoured to further its work through service as a Vice President.

## DONALD McQUILLAN



**BSc(Eng) CEng FStructE FICE FIEI  
FIHT FConsE**

Director, RPS

Elected Member 1979, Fellow 1991

Hon Secretary 1995-96; Hon Treasurer 1996-97; Member Council 1989-1992, 1999-2000; Member, Engineering Committee 1989-95, Chairman 1995-96; Member, Finance Panel/Finance and Resources Committee 1995-97; Member, Bye Laws Committee 1995-97; Member, Professional Conduct Committee 1999-2000; Member, Communications Strategy Committee/Communications Panel 2003-08, Chairman 2009-11; Member, Editorial Advisory Committee/Journal Editorial Board/Editorial Advisory Group Member 1993-95, Vice-Chairman 1996-2000, Chairman 2000-11, Features champion 2011-; Member, President's Advisory Panel 1995-97; Member, Professional Development Policy Group 1995-96; Member, Strategic Plan Task Group/Strategy Development & Implementation Panel/ Strategy Review Committee 1996-2002; Member; Information Technology Panel/Information Strategy Committee 1997-2000; Chairman, Best Practice Guide on Use of Structural Adhesives Task Group 1996-99; Chairman, Earth Retaining Structures Task Group 2003-05; Board (by invitation) 2009-11; Northern Ireland Regional Group, Member, Committee 1986-94, Hon Treasurer 1987-94, Chairman 1999-2000.

Graduated from Queens University Belfast in 1975 with First Class Honours and joined Kirk McClure Morton Consulting Engineers becoming a Partner in 1989. Following acquisition by RPS in 2004 responsible at Director level for the project management and delivery of a wide spectrum of major engineering projects including landmark and award-winning buildings.

My involvement with the Institution at HQ since becoming a member of Council in 1989 and in particular my recent term attending the Board has giving me a sound working knowledge of the Institution's affairs and the core issues facing us in a rapidly changing world. This experience I feel has equipped me to stand for election.

In particular I have been closely associated with the Journal and its significant development for some 20 years and it is now very gratifying to see the relevant technical guidance that is currently being published. One of my main objectives, if elected, is to expand this kind of value-added support and guidance to our members.

This, together with maintaining our incredibly high standards, will inevitably attract others and result in membership growth which aligns with our aspiration of making our Institution the world leader in Structural Engineering.

Such initiatives require funding and resourcing and I will therefore endeavour, in conjunction with the management team, to explore appropriate commercial opportunities in order to develop new income streams and ensure the Institution remains on a sound financial footing able to expand, "move with the times" and "deliver" for the benefit of its members.

Significant achievements have been realized already in raising the profile of the Institution and I am keen to continue to promote this and to help to develop new relevant ways of showcasing our work which, so often, is understated and misunderstood.

## MICHAEL J COOK



**FREng MA PhD CEng FStructE**

Chairman & Senior Partner

Buro Happold Ltd

Elected Member 1987, Fellow 2004

Vice President 2013; Member, Council 2002-05; Member, Membership Committee 2009-; Member, Professional Conduct Committee, 2002-08; Chairman, Education Panel 2009-12; Chairman Education Project Steering Group, 2009 -; Chairman, Education Committee 2013; Member, Structural Awards Judging Panel 2007-; Member, People Awards Judging Panel, 2009; Member, Registration & Licensing Advisory Group 2003-08; Member, Approved Persons Working Group 2002-08; Member, Periodical Panel (Editorial Panel) 1996-99; Director, Educational Trust, 2005-.

Joined Buro Happold in 1982 as a structural engineer. In 1995 became a Partner and in 2011 elected Senior Partner & Chairman of the practice. Elected FREng 2010 and awarded the IABSE Milne Medal in 2009. Has led the design of many award-winning construction projects around the world. In addition to responsibilities in Buro Happold, with focus on development of design quality across the practice globally, teaches Creative Design at Imperial College and is keen to enthuse young people in the world of engineering.

The Institution of Structural Engineers has a truly enviable reputation around the world representing and supporting the profession of structural engineering. It is a valuable institution that does great work for its members and society. I have had the good fortune to have been able to support some of this work from time to time and would like to be able to continue this support as a Vice President.

The Institution has important work to do setting standards for the profession and helping promote the importance of the structural engineer in society. I am particularly excited by the growing international reach of the Institution – the opportunities are enormous for us to widen its influence for the benefit of the profession globally. I am also excited by the growing influence that the Institution is having in the development of young people, awakening them to the opportunities in the profession and influencing the quality of education they receive before entering the world of engineering. These are exciting times for engineers – our skills are vital in the service of society and in finding ways to help us "touch the ground lightly". They are also exciting times for our Institution.

# **Election of Ordinary Council Members**

## CANDIDATES AUTOMATICALLY ELECTED

As at least one candidate from Region 9 (South Eastern Counties) and one candidate from Region 11 (Hong Kong) must be elected, the following candidates are automatically elected.

### SIMON C S JAMES



**BSc(Hons)Eng, CEng, MIStructE**

**Electoral region 9**

*(South-Eastern Counties)*

Technical Director, AECOM

Elected Member 1994

Member, Council 2012-; Member, South Eastern Counties Regional Group Committee 2009-, Deputy Treasurer 2010-, Chairman

2012-13.

Graduated Imperial College 1982, Graduate Engineer, Sir Owen Williams and Partners 1982-88, Engineer, Whitby and Bird 1988-90, Senior/Principal Engineer, Hyder 1990-2000, Associate, AECOM (formerly Maunsell) 2000-09. Technical Director, AECOM (2009- present)

As a Technical Director, I fully believe that the Structural Engineer holds a highly responsible position in society. In order to meet this expectation from society it is our responsibility to maintain continued professional development. I recall as I made the transition from graduate Engineer to Senior Engineer, the increase in responsibility and the words that a Director made to me at the time, that each day an Engineer makes decisions that potentially affect the lives of the general public. To this end, at the top of the agenda should be continuing professional development and firmly agree with the Institution's proposals to make CPD reporting compulsory.

As Chairman of South-Eastern Counties Regional Group, I have promoted training and education, and continued to promote the excellent choice of technical meetings in the Region. As a member of the Council I will endeavour to promote education as one of the most important roles that the Institution can play. I am in the process, with the help of my committee, of setting up a mentoring system for those wishing to sit the CM exam. I will endeavour to make sure that this is available across all Regional Groups. I would also aim to ensure that, despite the current economic climate, all companies are encouraged to provide their employees with access to training in order to satisfy the CPD requirements.

### S S EDDIE LAM



**MSc PhD CEng FIStructE**

**MIMechE MHKIE**

**Electoral region 11**

*(Hong Kong)*

Associate Professor

Civil and Environmental Engineering,  
Hong Kong Polytechnic University

Elected Member 1995, Fellow 2001.

Member, Council 2012; Member, Applications and Professional Review Panel, 2013; Member Hong Kong Regional Group Committee 2004-, Chairman, 2011-12, Secretary 2004-, Professional Review Interview Coordinator, 2008-.

Started career in 1983 working with a contractor and moved on to engineering design offices and universities. Now an Associate Professor of Civil and Environmental Engineering at The Hong Kong Polytechnic University. Also practises as a barrister-at-law specialising in construction disputes.

I have 30 years of experience in structural engineering including working in a construction company; design offices and universities, and practise as a barrister-at-law on construction disputes. In my diversified career, I committed myself to nurturing young structural engineers and carrying out research work for the benefit of the Institution and the community. I continuously encourage graduates to participate in institutional activities for life-long learning. My vision is to broaden the international coverage of the Institution with dual benefits of attracting the best graduates worldwide into the structural engineering profession and to increase the overall membership of the Institution. I pledge to serve the Institution and bring success for the betterment of the structural engineering profession.

## CANDIDATES FOR ELECTION BY BALLOT

### ZOE ZHOU YING



**BSc MSc MStructE 1RSE(PRC)**

**Regional Group 12**

*(Asia and South Pacific)*

Deputy Director  
Project Management Department  
Tongji Architectural Design (Group) Co Ltd  
Elected Member 2012

Co-opted Member, Council 2010-11; Member, International Interest Group, 2010-11; Corresponding Member, Membership Committee 2011-12; Corresponding Member, Communications Panel 2011; Corresponding Member, Sustainable Construction Panel 2013-; China Regional Group, Secretary, 2002-; Keith Eaton International Award 2009.

Graduated MSc Applied Mechanics from Fudan University 1991. Lecturer, Building Engineering Department, Tongji University 1991-96. Joined Tongji Architectural Design (Group) Co Ltd (TJAD) 1996. Structural Engineer, TJAD, 1996-2001. Deputy Director, Chief Engineering Department, TJAD 2001-11. Deputy Director, Project Management Department, TJAD, 2011- .

After the success of Supplementary Exam 2012 and 2013 which allows a First Class Registered Structural Engineer in China to become a member of the Institution of Structural Engineers through a comparison route, the Institution has gained a greater reputation and recognition in the world of the structural engineering practices in China.

I will focus on further promoting our Institution's publicity, making its aim and core values known to our enormous fellow structural engineers nation-wide, to make it a great appeal and honor in the eyes of the public to join our membership. Efforts would specially go to expanding student members on campus as well as members among my colleges and industrial fellows.

I am also enthusiastic to be assistance to any kind of member fellowship arranged by the Institution. I am keen on building favourable relationships both between our Institution and the members and among the members in China. I am also eager to see our Institution become a popular platform where our members habitually seek and obtain up-to-date knowledge, and to enjoy fellowship with one another.

### ANDREW J MINSON



**BEng DPhil (Oxon) CEng**

**MStructE FICE**

**Electoral region 6**

*(Devon & Cornwall, Western Counties and Southern)*

Executive Director, The Concrete Centre  
Elected Member 1998

Member, Technical Publications Panel 2007-08; Member Sustainable Construction Panel 2009-.

University of Queensland BEng(Hons) 1986-89, Ove Arup & Partners, Brisbane 1990, University of Oxford DPhil 1990-93, Wadham College Stipendiary Lecturer 1993-94, Ove Arup & Partners, London 1994-2004, Taylor Woodrow 1996-1997, secondment, MPA, The Concrete Centre 2004-.

At the Concrete Centre one of the purposes of the team is to be a resource for structural engineers to enable and equip them to use concrete more effectively. As Executive Director, I am in a position that requires me to understand issues faced by structural engineers and my responsibilities include many activities that have direct parallels with Institution work. I am keen, if given the opportunity, to bring this experience to Council.

My role also has a focus on sustainability and includes interface beyond my employer and the Institution: for example, I was on the buildings group of the UK government low carbon construction review and am currently on the Greening the Industry task group of the Green Construction Board. Our challenge as structural engineers in the context of sustainability is, what is our contribution and what role can we as part of project teams and as an Institution play? From the basis of leading a multi-disciplinary organisation and interfacing with other sector organisations, I can make a contribution on Council to these strategic decisions faced by the Institution in the coming years.

Finally, I am involved in executive and non executive roles in a range of construction membership organisations which gives me experience and insights in how to deliver membership benefits and the processes and operations of membership organisations. Once again this experience will help me make a contribution to the workings of Council.

## ROGER N FAIRES



**MEng (Hons) IEng AMIStructE**

**Regional Group 8**

*(North Thames)*

Senior Structural Engineer Structa LLP

Elected Associate-Member 2012

Member, Young Members Panel 2007-11; Corresponding Member, Young Members Panel 2012-; Organised the North Thames

Regional Group Centenary Quiz 2010; Young member, SCOSS committee 2011-13; Led a team representing the Institution in a competition called 'Cake in the Clouds' for the Queens Jubilee 2012.

Graduated MEng(Hons) Civil Engineer Cardiff University 2007. Sponsored through university by KMG Partnership, full time Graduate 2007-12, Structural Engineer, Richard F Gills and Associates 2012-13, Senior Structural Engineer Structa LLP 2013-.

In my article for *The Structural Engineer* March 2012, I put forward that we as an industry depend on each other, we may be from different firms, in different sectors or even different nations, but our strength, our quality is not drawn from a single individuals merit, but from our mass of knowledge and experience that we share. Our Institution is the cornerstone of this, and I believe in it and the work that it does. Recently there have been many positive steps, both with the excellent rebrand of *The Structural Engineer* and the fantastic suite of Eurocode books that have been produced. If elected I will work hard to ensure these successes are multiplied.

Currently an Incorporated Engineer I want to promote this level throughout the industry, both making it more visible, but also making it a viable stepping stone to Chartership. I am a proactive individual; I have shown this throughout my career but also with my work for our Institution, I come from a small firm background and until this nomination I have always put myself forward striving to promote, help and improve our Institution in whatever way I can.

## JOHN M STAVES



**CEng, MIStructE**

**Electoral region 7**

*(Thames Valley and Surrey)*

Managing Director, Michael Aubrey Partnership

Elected Member 1994

Member, Board 2010-, Honorary Treasurer 2012-; Member, Council 2007-; Member, Resources Committee 2005 -; Member, Membership Committee, 2002-3; Chairman of Risk Task Group, Chairman of UK Regional Group Chairman's Group, 2012-. Member, Thames Valley Regional Group Committee 1999-, Chairman 2009 & 2013, Treasurer, 2004-7.

Mixed Consulting (Arup), Contracting (Sir Robert McAlpine) and Client (Mercury Communications) experience before establishing Michael Aubrey Partnership (MAP) 1994. MAP is a regional structural practice, concerned with building structures. New build and refurbishment projects, advice in connection with defect diagnosis and remedial works. Guiding a practice through economic turbulence!

I have gained a good understanding of the Institution's affairs through the service I have given over the last few years and seek re-election to Council to continue applying this experience to the strategic direction of our Institution.

I continue to lead a small practice which keeps me very much focussed on the needs of practising members. My experience of structural engineering from the viewpoints of consultant, contractor and client provides a broad base from which to contribute to Council debates.

As well as inputting to the Institution's financial governance, my specific areas of interest are Building Information Modelling and Risk Management. Your vote would allow me to continue assisting with development of Institution policy in these areas.

I look forward to working for you over the next three years.

## PENELOPE L GOWLER



**MEng(Hons) CEng, MStructE**

**Electoral region 7**  
(Surrey)

Senior Engineer, Elliott Wood LLP

Elected Member 2010

Graduated University of Oxford 2003, MEng(Hons) Engineering, Economics & Management. Awarded the Edgell Sheppee

Prize for best Engineering Part II Project 2003. Three years as business analyst in defence and commercial sectors. Graduate engineer, Thomasons, Guildford 2006-10. Shortlisted Institution Young Engineer of the Year 2008.

I feel very proud to introduce myself as a structural engineer but sadly I believe not all my peers feel this way, which is a source of frustration. Times have been difficult in recent years, with lower fees and a shortage of work. However, as a body of professionals we have lots to be proud of. The work we do on a day to day basis, which often seems straightforward to us, can have a huge impact on the everyday lives of large numbers of people, something we as engineers often underestimate. If elected, I will ensure the Institution continues to work on the image of structural engineering and continues to invest in promoting the industry both from within and to the wider public.

As part of this aim I'm keen to establish better knowledge sharing amongst members, particularly between younger engineers and their more experienced counterparts. I believe each can learn from the other, not just in a technical sense but also in terms of generating and cultivating ideas.

I would also like to become involved with the Chartered Membership exam, particularly with respect to checking the paper before it is set, to reduce instances of ambiguity experienced over recent years.

## ANTHONY J HARRIS



**DIC MSc CEng MStructE**

**Electoral region 5**  
(Midland Counties and Wales)

Head of Discipline, Bridges and Civil Engineering Structures  
Parsons Brinckerhoff Ltd

Elected Member 1993.

Member, Technical Publications Panel 2013; Technical Publication Reviewer 2009-; Member, Wales Regional Group, Member, Committee 2004- Treasurer 2005-09, Chairman 2010-11.

Started career in the contracting environment working on glued segmental viaduct structures. Then spent 15 years working for Flint and Neill principally on steel bridges, including a number of long span structures. Has held a technical leadership role within the UK Bridges team of Parsons Brinckerhoff since 2001.

Since becoming actively involved with the Institution I have had two principal areas of interest, those being the maintenance of excellence in technical standards among Structural Engineering practitioners and educational opportunities and priorities for undergraduates who may enter the profession. I began my working life by serving an apprenticeship in the mechanical design department at British Steel before undertaking undergraduate studies in Civil/Structural engineering. This gave me valuable insights into the importance of knowing how the things you design will be built, understanding tolerances for components and assemblies, knowing your enemy (be it stability, fracture or fatigue) and how to communicate your design through the medium of drawing.

Policies of successive governments have significantly shifted the balance between higher and technical (further) education within our industry. The career path that I had the good fortune to follow is effectively no longer available as contemporary 'apprenticeship' schemes constrain subsequent development opportunities. There is no quick fix for redressing the void created in skills and technical development but I would use a position on Council to press the Institution to engage with government, industry and academic bodies to try to redress the balance of practical/academic training of technical and professional staff.

## MATTHEW J ESTHER



**Eng (Hons) CEng Eurlng F1StructE  
MICE MSFE**

### **Electoral region 10**

*(Rest of Europe, Middle East, Africa and the Americas)*

Technical Manager with Arabtec Construction  
Elected Member 2003, Fellow 2010.

Member, Council 2011; UAE Regional Group, Member Committee 2009-10, Chairman 2011, Senior Vice-Chairman 2010-13; Corresponding member, Membership Committee 2011-; Professional Review Interview Reviewer 2009-; organiser/principal lecturer, Chartered Membership Exam preparation course 2010-, Delivered one and two day versions of the Chartered Membership Exam Preparation Course in Bangalore, India 2011 and 2012; First recipient of the President's Award 2011.

Graduated City University, London BEng(Hons) in Civil Engineering 1996. Based in the UK with the URS Corporation, Price & Myers and Sinclair Knight Merz until 2003. Worked in Greece until 2005 on the construction of the Basketball Stadium for the 2004 Olympic Games. Moved to the UAE with WSP until 2007 and WS Atkins as Associate until end 2012 where I specialised in the design of tall buildings. I am a visiting lecturer at Heriot Watt University - Dubai Campus.

At a time of significant change the Institution has taken the lead on a number of key issues such as the need to record and formalise CPD activities, the adoption of the Eurocodes and the ever increasing importance of developing sustainable solutions. Our industry has never stood still to the point where change has become the norm, particularly with the widespread use of new digital technologies which in recent years has contributed to a levelling of the playing field across the industry and over international borders. In addition to this, the trend towards outsourcing of design works to more cost effective parts of the world means the Institution has an even greater role to play on the global stage with the gold standard becoming even more relevant at maintaining the appropriate standard.

I have been based in the UAE for almost 8 years, in which time I have had the opportunity to engage with a number of local authorities and governing organisations on a range of key issues. The most notable of which being in an advisory capacity during the process of developing a regulatory framework for the structural engineering profession. This has given me a fairly unique insight which will help when extending the range of Institution activities currently offered in the UAE to help serve and grow the membership throughout the region.

## DAVID CORMIE



**MEng CEng F1StructE MICE**

### **Electoral region 8**

*(North Thames)*

Associate, Arup

Elected Member 2006, Fellow 2011.

Member, Council 2010-12; Member, Engineering Practice Committee, 2010-; Member, Technical Publications Panel, 2010-; Member, Research Panel 2011-; Member, Standing Committee on Structural Safety 2012-; North Thames, Regional Group Professional Review Interview reviewer 2009-; Technical author, *Manual for the systematic risk assessment of high-risk structures against disproportionate collapse* (publication 2013).

Graduated first class MEng(Hons) in Civil Engineering, University of Nottingham, 2000. EQE International 2000-2003, MMI Engineering, 2003-2006. Joined Arup's resilience, security and risk practice 2006, appointed Associate 2009. Main areas of work: extreme loads, blast engineering, structural dynamics, structural robustness, design against disproportionate collapse.

Our Institution is formed on the basis of our unrivalled reputation for thought leadership in structural engineering. We have an enviable pedigree for undertaking research and producing technical output which advances the field of structural engineering. I continue to regard this as one of the most important aspects of the Institution's work, and one in which the Institution is without equal as a body truly both world class and with an international reach. If elected, I will continue to work to improve the standing of the Institution amongst its membership by driving relevant, high quality technical activity and output that meets our members' needs at every level of membership. Internationally, I want to work to continue to strengthen the partnerships the Institution has with relevant institution bodies around the world to benefit us, the members.

I am a practising structural engineer with specialist interests in blast engineering, structural dynamics, robustness and progressive collapse. Working in a specialist area I see the benefit that sharing knowledge brings in driving technical excellence: it is technical excellence that sets this Institution apart and adds value to being a Member, and it is the strength on which it should continue to be built.

## JOHN J O MUDDIMAN



**IEng AMIStructE**

### **Regional Group 3**

*(Yorkshire and Northern Counties)*

Structural engineer, NPS Leeds

Elected Associate-Member 2006

Co-opted Member Council 2013; Member, Membership Committee 2009 -; Yorkshire Regional Group, Member, Committee 2007-.

Graduated with a First Class Honours Degree in Civil Engineering 2002, Associate-Membership examination 2006. Worked for a LA Design Department for 11 years (building structures) and was seconded to their Bridges Department for 15 months. Joined private consultancy 2012.

I think that my interest in construction started in my first years at school, when I would make models of increasing sophistication out of ordinary objects and was interested in how they could be put together and how they could be used, according to their properties. This sense of curiosity has naturally persisted into my working life and pervades my approach to design.

I have always worked in multidisciplinary practice, on a broad spectrum of projects, and believe that a holistic way of working should be engendered within all design teams. I therefore fully support initiatives within the Institution to promote better working practices between the construction professions. Innovations such as BIM are one such avenue that can be used for this.

I believe that we are all ambassadors for the Institution and have a duty to support its continued work as a learned society.

My heroes are Engineers such as Santiago Calatrava and Anthony Hunt; I have been fortunate enough to hear them give lectures and I have profound admiration for the ways they have pushed back the boundaries of the science and art of Structural Engineering and married this seamlessly with Architecture, to produce elegant, sculptural schemes.

## ANTHONY J SMITH



**BEng, CEng, FIStructE**

### **Electoral region 10**

*(Rest of Europe, Middle East, Africa and the Americas)*

Managing Member, A J Smith & Associates cc and BuildSA Consulting cc

Elected Member 1981; Fellow 1997

Member, Council 2011-; JSD South Africa Regional Group Member, Committee 2002-05, Membership and Communications Committee 2005-09, Vice chairman 2009-11, Chairman 2011-.

Graduated University of Cardiff 1975 having worked for Ove Arup before and during the honours degree course. African consulting contract for two years followed by two years in UK. On returning to Africa career expanded by several years contracting running a fabrication and reinforcing company. 1984 relocated to Republic of South Africa and enjoyed a full consulting career the last 20 years of which have been running my own practice. Practice areas – structures, concrete and steel, investigation structural failures, arbitration, project management.

Globalisation of the Institution whilst maintaining the present standards and aspiring to be the premier home for structural engineering is paramount to its ongoing existence and relevance. The challenge in accomplishing this is to transcend the parochial barriers set up by administrations and local engineering councils worldwide. This however can be achieved in the long run by diligent application of the ideals that we hold and by projecting these in a consistent manner.

The Institution will have to improve and adapt if these goals are to be attained and i believe that my skills could be usefully brought to bear as part of council during this period.

***Please see over***

## MICHAEL T KILPATRICK



**MEng CEng MStructE MICE**

**Electoral region 2**

*(Scottish, Northern Ireland  
and Republic of Ireland)*

Senior Engineer, Waterman

Elected Member 2012.

Scottish Regional Group Young Members  
Group, Member Committee 2010-, Chairman

2012-13; Scottish Regional Group Member, Committee 2011-.

Graduated MEng in Civil Engineering University of Strathclyde 2006. Joined McLay Collier & Partners, Glasgow following graduation. Moved to Arup 2007. Joined Will Rudd Davidson, Edinburgh, as a Senior Engineer 2011. Joined Waterman in 2012 as a Senior Engineer.

During my career, I have had the pleasure of working with some of the best Engineers and Architects in the industry. This allowed me to aim towards delivering a high standard of design, first as a Graduate learning the ropes, and now as a Senior Engineer leading design teams, trying to instil on younger members of the team that we need to constantly improve on what has been done previously, work efficiently and holistically, using new technologies and sustainable materials.

As engineers, we need to show that we can use our skills, experience, and knowledge to respond proactively to the challenges the world is facing, and to do so we need to communicate effectively, and pass on this knowledge and experience to others within the profession.

The Institution has a key role in helping the engineering profession achieve this, and to do so we need to communicate effectively with all members of the Institution, from Students to Fellows, and other disciplines. I believe that our Institution is in the ideal position to take the lead in encouraging communication between other organisations, communication that will enable the profession as a whole to respond to the challenges that the world currently faces.