

ICE Membership Awards

Emerging Engineers Award

The Emerging Engineers Award (formerly the Graduate and Student Papers Competition) promotes and rewards excellence in the originality and communication of civil engineering ideas and research.

The competition is open to all ICE graduate and student members with papers on engineering design, research or practice which they have to present to an audience of their peers. Entries can be based on the applicant's own work and adapted from undergraduate research papers, university projects, professional development or Professional Review reports.

2019 Winner: Nerea Palacios CEng MICE

Paper: An analysis of flood risk and potential adaptations in Yarmouth, Isle of Wight

James Rennie Medal

The aim of the James Rennie Medal is to promote awareness of the role and achievements of newly qualified Chartered Civil Engineers. The competition was first held in 1996 and it is awarded to the best Chartered Professional Review (CPR) candidate whose CPR reports most reflect James Rennie's values.

Candidates are nominated by their Reviewers on the basis that they have demonstrated outstanding qualities in all attributes and demonstrated a significant contribution in the promotion and development of civil engineering. Their submitted project reports and presentations at Review also have to show a thorough understanding of engineering principles in the design and construction process.

Winner: Tina Gunnarsson CEng MICE

Project: The Minigo Suspension Bridge across the Sebeya River in rural Rwanda

Jean Venables Medal

The aim of the Jean Venables Medal is to promote awareness of the role and achievements of newly qualified Engineering Technicians. The award was first held in 2011 and is named after Jean Venables, ICE President from 2008 to 2009, who contributed significantly in raising the profile of our Technician members and who continues to contribute significantly to this initiative.

The medal recognises and celebrates the best performance by a newly qualified Technician Member at a Technician Professional Review (TPR) during a calendar year and is open to all candidates who have passed their TPR in the year preceding that in which the award is made.

Candidates are nominated by their Reviewers on the basis that at Review they have demonstrated outstanding qualities in all Technician attributes. The nominated candidates are shortlisted to three who are interviewed by the ICE Standards Panel, with the winner also demonstrating, through their participation of ICE activities, a passion and enthusiasm for the profession of civil engineering.

Winner: Kent Baxter EngTech MICE

For: Technician Professional Review 2019

Renée Redfern Hunt Memorial Prize Competition

The Renée Redfern Hunt Memorial Prize is awarded to the best written exercise produced during each Professional Review session and is open to all those candidates who have passed the Chartered or Member Professional Review. The prize was instituted in memory of Miss Renée Redfern Hunt, MBE, who was a Professional Examination Officer at the Institution from 1945 until a few months before her death in 1981.

Winner Autumn 2019: Tina Gunnarsson CEng MICE

Written Exercise: Discuss the role of reverse mentoring in achieving cultural and gender diversity within construction companies

Winner Spring 2020: Christopher Short CEng MICE

Written Exercise: Drawing on your experience in the delivery of the "Global Clinic", discuss how civil engineers, through their application of leadership, judgement and technical skills, could promote design and construction of affordable healthcare facilities in developing countries.

Tony Chapman Medal

This is the seventh year of the Tony Chapman Medal the aim of which is to promote the awareness of the role and achievements of newly qualified Incorporated Engineers. The medal commemorates Tony Chapman, ICE Reviewer and member of Council, who contributed significantly in raising the profile of our Incorporated Members and is awarded annually to the best Member Professional Review (MPR) candidate. The medal recognises and celebrates the best performance by a newly qualified Incorporated Engineer at an MPR during a calendar year and is open to all candidates who have passed their Review in the year preceding that in which the medal is awarded.

Winner: Kelly McNee IEng MICE

For: Member Professional Review (IEng) in 2019

Prizes for Published Papers

Advances in Cement Research Prize (For best paper in journal)

Instituted by ICE Publishing to recognize excellence in technical writing within the Journal's field

Winners: Dr. Frank Winnefeld, Prof. Barbara Lothenbach, Craig W. Hargis PhD, Dr. Christian Jörg Müller

Paper: Further insights into calcium sulfoaluminate cement expansion

Published in: Advances in Cement Research, Volume 31 Issue 4, April, 2019, pp. 160-177

Themed issue on calcium sulfoaluminate cements: part II

[Read the paper here](#)

Bill Curtin Medal

Instituted in 1992 following a donation by Curtins Consulting Engineers to commemorate the late W G Curtin's contribution to engineering. The medal is awarded annually for the best paper published by the Institution describing innovative design in civil engineering.

Winners: Dr. Kornel Kerenyi, Kevin Flora

Paper: A hybrid approach to forensic study of bridge scour

Published in: Forensic Engineering, Volume 172 Issue 1, February 2019, pp. 27-38

Themed issue on bridges

[Read the paper here](#)

Charles Manby Prize

This was instituted in 1857 by Charles Manby, Secretary of the Institution from 1839 to 1859. The income from the endowment fund is used to provide a certificate every year for papers read at meetings of the Institution.

Winner: Prof. Andrea Acquaviva, Dr. Edoardo Patti, Prof. Enrico Pons, Prof. Abouzar Estebarsari, Dr. Lorenzo Bottaccioli

Paper: Planning and real-time management of smart grids with high PV penetration in Italy

Published in: Engineering Sustainability, Volume 172 Issue 6, September 2019, pp. 272-282

In Focus: SEB16

[Read the Paper Here](#)

Coopers Hill Memorial Prize

Founded in 1919 by the Coopers Hill Society in memory of its members, and of relatives of its members, who fell in the war (1914–1918). Half the income derived from an endowment fund is in the award of the Council of the Institution and is to be expended in the provision of a medal, and a certificate, for a paper by a Corporate Member published by the Institution. The award is made irrespective of the age of the author and of any other award made for the same paper. In the case of joint authorship, additional medals and certificates are presented. The other half of the income is in the award (in rotation) of the Institution of Electrical Engineers, the Department of Forestry at Oxford University, and the Institution of Royal Engineers, Chatham.

Winner: Yin Ye, Dr. Fei Xu, Yong Guo, Prof. Ju Chen

Paper: Innovative design of the world's tallest electrical transmission towers

Published in: Civil Engineering, Volume 172 Issue 5, May 2019 pp. 9-16.

Special issue on major and innovative projects in China

[Read the Paper here](#)

Crampton Prize

Instituted following a bequest by Thomas Russell Crampton (1816-1888), who was associated with marine telegraphy and improvements in locomotive design. The prize is awarded annually, for the best paper on practical geotechnical engineering.

Winner: Em. Prof. Dr. Ir. Dionys A. Van Gemert, Dr. Jules Houtmeyers, Ing. Kristof Verreydt, Prof. Peter Rauwoens, Tom Claes

Paper: Analysis of a full-scale slope failure test on a sludge embankment

Published in: Geotechnical Engineering, Volume 172 Issue 5, October, 2019, pp. 417-431

[Read the Paper here](#)

David Hislop Award (For best paper in journal)

Founded in memory of David Atholl Hislop (1928-1973), the award is for the best paper published in the proceedings, or in an Institution conference volume, on heavy marine design and construction with particular reference to offshore engineering.

Winner: Jie Ding, Yizhou Fang, Bo Jiang, Changlei Ma, Guowei Wu, Prof. Xiaoyng Wang

Paper: Assessment of the wave energy resource in the South China Sea

Published in: Maritime Engineering, Volume 172 Issue 1, March, 2019, pp. 23-33

Themed Issue - Renewable Energy and Oceanic Structures

[Read the Paper here](#)

Environmental Engineering and Science Prize (For best paper in journal)

Instituted by ICE Publishing to recognise excellence in environmental research, engineering and applied environmental science.

Winner: Prof. Jianguang Cheng, Dr. Juan Li, Prof. Yonghui Song, Associate Prof. Jian Wei, Dr. Ping Zeng

Paper: Optimisation of conditions of phosphorus release from pharmaceutical waste sludge

Published in: Journal of Environmental Engineering and Science, Volume 14 Issue 1, March 2019, pp. 13-23

Themed issue on nutrient and energy recovery from wastewater

[Read the paper here](#)

Environmental Geotechnics Prize

Instituted by ICE Publishing to recognise excellence in technical writing within the journal's field of geo-environmental and geo-technical engineering.

Winner: Yoji Ueyama, Dr. Hiroyuki Hashida, Dr. Inazumi Shinya

Paper: Transportation behaviour of radioactive substances in soils

Published in: Environmental Geotechnics, Volume 6 Issue 8, December 2019, pp. 506-520

[Read the Paper here](#)

Frederick Palmer Prize

This prize was instituted by Mr John Palmer MA CEng FICE, to mark the centenary of the birth of his father, the late Sir Frederick Palmer, President 1926-27. The prize is awarded for any paper published by the Institution irrespective of whether the paper has received any other recognition.

Winner: Dr. Abdul Qudoos Khan, Asad Hanif PhD, P.E, Assistant Prof. Dr. Muhammad Usman, Bilal Lal Khan, Dr. Faheem Butt, Prof. Dr. Hassan Farooq

Paper: Effect of soil–structure interaction on a masonry structure under train-induced vibrations

Published in: Structures and Buildings, Volume 172 Issue 12, December, 2019, pp. 922-934

[Read the paper here](#)

Geotechnical Research Medal

The award was founded in 1989 following a bequest by the late A W Bishop which provided the die for this medal. The medal is awarded annually to the author(s) of the best contribution in the field of research in geotechnical engineering published by the Institution in the previous year.

Winner: Matthew Coop, Vincenzo Nardelli

Paper: The experimental contact behaviour of natural sands: normal and tangential loading

Published in: Geotechnique, Volume 69 Issue 8, August, 2019, pp. 672-686

[Read the paper here](#)

Green Materials Prize

Instituted by ICE Publishing to recognise excellence in technical writing within the journal's field.

Winner: Dr François Touchaleaume, Assistant Prof. H el ene Angellier-Coussy, Dr. Sylvain Caillol, Assistant Prof. R emi Auvergne, Dr. Romain Tessier, Dr. Sandrine Hoppe

Paper: Polyhydroxybutyrate/hemp biocomposite: tuning performances by process and compatibilization

Published in: Green Materials, Volume 7 Issue 4, December 2019, pp. 194-204

[Read the paper here](#)

Halcrow Prize

Instituted in 1960 following a bequest made by Sir William Halcrow (1883-1958), President 1946-47, this is an annual award for the author(s) of the best paper published by the Institution on maritime engineering.

Winner: Prof. Ben Gouldby, Dr. Dominic Hames, Dr. Peter Hawkes

Paper: Evolution of joint probability methods in coastal engineering practice in the UK

Published in: Maritime Engineering, Volume 172 Issue 2, June, 2019, pp. 45-54

[Read the paper here](#)

Infrastructure Asset Management Prize

Instituted by ICE Publishing to recognise excellence in technical writing within the journal's field.

Winner: Bryan Tyrone Adey, Dr. Claudio Martani, Marcel Burkhalter, Natalia Papathanasiou

Paper: Estimating and communicating the risk of neglecting maintenance

Published in: Infrastructure Asset Management, Volume 6 Issue 2, June 2019, pp. 109-128

[Read the paper here](#)

James Hill Prize

This award originated with the former Institution of Municipal Engineers and is given for a paper published in Municipal Engineer on a municipal engineering subject. Winner selected by the current AME Chairman from a short list provided by the Editorial Panel.

Winner: Amy C. Green, Dr. Joe Matthews, Dr. Keith Newman, Dr. Lee Fawcett, Dr. Neil Thorpe, Dr. Karsten Kremer

Paper: A decision support toolkit to inform road safety investment decisions

Published in: Municipal Engineer, Volume 172 Issue 1, March, 2019, pp. 53-67

Themed issue on Road Safety

[Read the paper here](#)

James Watt Medal

The medal, named after James Watt, the Scottish mechanical engineer and inventor who died in 1819, was introduced by Robert Stephenson, President of the Institution in 1855-56. This medal is awarded for papers that have substantial mechanical engineering content.

Winner: Prof. William J. Nuttall CPhys FInstP FRSA, Madhu Madhavi BTech, MA

Paper: Coal in the twenty-first century: a climate of change and uncertainty

Published in: Energy, Volume 172 Issue 2, May 2019, pp. 46-63

In Focus: coal in the twenty-first century

[Read the paper here](#)

John Henry Garrood King Medal

Instituted following a donation made by Mrs Charlotte King, widow of the late Mr J H G King CEng FICE FStructE. Mr King became a Corporate Member of the Institution in 1951 and became a Fellow in 1959. During World War II Mr King was commissioned to serve in the Royal Marines. The medal is awarded annually for the best paper published by the Institution on tunnels, soil mechanics or bridges.

Winner: Iain W. Murray BSc, CEng, FICE, Lawrence Geoffrey Shackman BSc CEng FICE FCIHT, Dr. Mike Glover OBE FEng FStructE, Stuart R. Hunter CEng MICE

Paper: Queensferry Crossing, UK: project scope and development history

Published in: Bridge Engineering, Volume 172 Issue 2, June 2019, pp. 81-91

Themed issue on the Queensferry Crossing

[Read the paper here](#)

Kajal Mallick Memorial Prize

This was a new award in 2014 and is named in honour of the Founding Editor of Bioinspired, Biomimetic and Nanobiomaterials. It is awarded to the best paper published in the ICE Science journals of research inspired by the natural world.

Winner: Dr. Alwina Luebke, Prof. Dr. Helge Otto Fabritius, Dr. Kateryna Loza, Prof. Dr. Matthias Epple, Dr. Oleg Prymak, Dr. Phillip Dammann

Paper: Optimized biological tools: ultrastructure of rodent and bat teeth compared to human teeth

Published in: Bioinspired, Biomimetic, and Nanobiomaterials, Volume 8 Issue 4, December 2019, pp. 247-253

[Read the paper here](#)

Magazine of Concrete Research Prize (MCR)

Awarded to the author(s) of the best paper on concrete published in Magazine of Concrete Research in any one year. The paper should reflect originality, understanding and excellence showing potential actual benefit in application.

Winner: Prof. Thomas A. Harrison

Paper: Specifying resistance against carbonation-induced corrosion by performance

Published in: Magazine of Concrete Research, Volume 71 Issue 7, April 2019, pp. 341-348
Themed issue on modern concretes

[Read the paper here](#)

Mokshagundam Visvesvaraya Prize

The income is derived from a fund consolidating two funds previously applied to the reward of merit amongst students of the Royal Indian Engineering College, Coopers Hill, when the college was closed in 1906. It is used to provide two certificates, to be awarded to the authors (being Corporate Members of the Institution) of the two best papers received during the year on a subject connected with works carried out outside the British Isles.

Winner: Benjamin Mills BEng (Hons) DIS IEng MICE MAPM, Brandon Mills BSc MSc CEng MIStructE AMICE, Diveshkumar Mistry, Ian Towler MEng CEng MICE, Matthew Lofts CEng MICE, Peter Crosthwaite

Paper: Rutaka footbridge in Rwanda: a low technology deck launch

Published in: Civil Engineering, Volume 172 Issue 3, August 2019, pp. 137-143

[Read the paper here](#)

Winner: Prof. Bernardo Caicedo, Cristhian Camilo Mendoza Bolaños, Jordi Alcoverro Bassols, Professor Eduardo Alonso

Paper: The collapse of Space building

Published in: Géotechnique, Volume 69 Issue 3, March 2019, pp. 260-273

[Read the paper here](#)

Nanomaterials and Energy Prize (For best prize in journal)

Instituted by ICE Publishing to recognise excellence in technical writing within the journal's field.

Winner: Arvind Agarwal, Archana Loganathan, Dr. Benjamin Boesl, Dr. Pranjal Nautiyal

Paper: Unraveling the multiscale damping properties of two-dimensional layered MXene

Published in: Nanomaterials and Energy, Volume 8 Issue 1, June 2019, pp. 84-95

[Read the paper here](#)

Parkman Medal

Instituted in 1988 following a donation by the Parkman Group to commemorate their centenary. The medal is awarded for the best paper published by the Institution in the previous year on the practical aspects of the control or management, including project management, of the design and/or construction of a specific scheme.

Winner: Prof. Iain Cameron BSc MSc PhD CMgr FCMI CDir FloD FCIOSH FHEA FRSA, Dr. Kenneth Lawani PhD MSc BSc(Hons) PgC LTHE FHEA C. Build E MCABE, Prof. Billy Hare PhD, BSc (Hon), BA, MCIQB

Paper: Evaluating wind technicians' performance on safety-critical rescue steps

Published in: Management, Procurement and Law, Volume 172 Issue 1, February 2019, pp. 17-24

[Read the paper here](#)

Reed and Mallik Medal

Instituted in 1983 following a donation by Rush & Tompkins Group Plc commemorating the achievements of 45 years work by their civil engineering contracting subsidiary, Reed and Mallik Ltd. The award is made annually to the author of the best paper published in the previous year on urban design.

Winner: Janhavi S. Khandkar, Shantanu B. Khandkar

Paper: Beyond shelter: the urban house as an entrepreneurial resource

Published in: Urban Design and Planning, Volume 172 Issue 2, April 2019, pp. 70-80

Themed issue on urban design for an inclusive economy: part II

[Read the paper here](#)

Rees Jeffreys Award

Awarded to the author of the best paper on highway engineering published in Municipal Engineer Journal or the Transport Journal.

Winner: Dr Kranthi K. Kuna CEng, MICE, Kieran Kelly CEng MICE

Paper: Flexible pavement design for hot climates – a case study

Published in: Transport, Volume 172 Issue 3, June 2019, pp. 164-173

[Read the paper here](#)

Richard Trevithick Memorial Fund

In 1888 a fund was established in memory of Richard Trevithick (1771-1833) which was used to provide a memorial window in Westminster Abbey, and to establish a Trevithick Scholarship at Owens College, Manchester. In 1890 the balance of the fund was accepted in trust by the Council of the Institution, and was augmented in 1932 by a gift from Mrs H K Trevithick, MD. The income is used to award a certificate every three years for papers presented to the Institution.

Winner: Adrian Campbell

Paper: Mass timber in the circular economy: paradigm in practice?

Published in: Engineering Sustainability, Volume 172 Issue 3, May 2019, pp. 141-152

Themed issue on the circular economy

[Read the paper here](#)

Robert Alfred Carr Prize

Instituted following a bequest made by Robert Alfred Carr (1864-1942) in memory of his father Robert Carr, his brother Harry Oswald Carr, and himself, who were all members of the Institution for many years. The Robert Alfred Carr Prize is awarded to the author(s) of the best paper published by the Institution in the past year, preferably on the following subjects: dock and other marine works, railway and transport systems and gas engineering, but otherwise on any subject.

Winner: Malcolm Morgan, Richard Fenner BSc(Hons), PhD, CEng, MICE, FCIWEM

Paper: Spatial evaluation of the multiple benefits of sustainable drainage systems

Published in: Water Management, Volume 172 Issue 1, February 2019, pp. 39-52

[Read the paper here](#)

Safety in Construction Prize

Instituted following a donation by John Derrington CBE FEng, President 1984-85, to ensure that the Institution should continue to actively foster improved health and safety measures in construction works. The prize is awarded annually to the author(s) of the paper published by the Institution in the previous year for a project, or feature within a project, which best describes the measures taken to safeguard the health and safety of the construction team, the user and the public.

Winner: Angus Law, Neal Butterworth

Paper: Prescription in English fire regulation: treatment, cure or placebo?

Published in: Forensic Engineering, volume 172 Issue 2, May 2019, pp. 61-68 (AOP - will make 2019 volume)

[Read the paper here](#)

Surface Innovations Prize (Prize for best paper in journal)

Instituted by ICE Publishing to recognise excellence in technical writing within the journal's field.

Winner: Andrej Atrens PhD, Dr. Ning Mo, Dr. Qiyang Tan, Yu Yin, Prof. Mingxing Zhang

Paper: Recent understanding of the oxidation and burning of magnesium alloys

Published in: Surface Innovations, Volume 7 Issue 2, May 2019, pp. 71-92

[Read the paper here](#)

Howard Medal

Instituted in 1872 following a bequest made to the Institution by Thomas Howard (1796-1872), Assoc. ICE, who carried out investigations in connection with steam and wrought iron. The income from the endowment fund is used to provide a medal every year to the author of a Paper on any of the uses or properties of iron or steel or associated process development, such author being a Corporate Member or an Associate Member or Student of the Institution.

Winner: Assoc. Prof Dr. Ramadhansyah Putra Jaya B.Eng, M.Sc., Dr Norhidayah Abdul Hassan, Prof. Dr. Jahangir Mirza, Dr. Siti Nur Amiera Jeffry, Dr. Mohd Ibrahim Mohd Yusak

Paper: Microstructure and physical properties of nano charcoal ash as binder

Published in: Construction Materials, Volume 172 Issue 2, April 2019, pp. 103-115

Themed issue on nanomaterials in construction

[Read the paper here](#)

Tso Kung Hsieh Award

Established in memory of Dr Tso kung Hsieh, the award is given annually to the authors of the best paper published by the Institution in the field of structural and soil vibration caused by mechanical plant, waves or seismic effects.

Winner: Dr. Wenjun Xie, Dr. Wen-Shao Chang BSArch, MSArch, PhD, FHEA, Tsung-Hsien Wang

Paper: Static behaviour of a two-tiered Dou-Gong system reinforced by super-elastic alloy

Published in: Engineering History and Heritage, Volume 172 Issue 4, November 2019, pp. 164-173

[Read the paper here](#)

William Webb Award

Instituted in 1908 following a bequest made by Francis William Webb (1838-1906), Vice President, for a paper on a transport or rail related subject.

Winner: Prof. Jin-Hoon Jeong, Yeon-Tae Kim, Nam-Hyun Cho Ph.D, Sereyvattana Tonn, Jun-Hyeok Lee

Paper: Airport concrete pavement design by environmental and double dual tandem gear loadings

Published in: Transport, Volume 172 Issue 4, August 2019, pp. 210-220

[Read the paper here](#)

Telford Premium (8 Awards)

Instituted following a bequest made by Thomas Telford, the Institution's first President (1820-1834). After provision has been made for the Telford Medal, the remaining income from the fund is used to provide up to eight prizes annually, in connection with papers presented to the Institution.

Winner: Prof. Alessandro Flora, Prof. Stefania Lirer, Sara Gargano PhD

Paper: Analysis of the coupled electro-osmotic and mechanical consolidation in clayey soils

Published in: Ground Improvement, Volume 172 Issue 3, August 2019, pp. 146-157

Themed issue on International Ground Improvement Conference

[Read the paper here](#)

Winner: Hiroaki Kashima, Hidenori Takahashi, Dr. Morikawa Yoshiyuki

Paper: Centrifuge modelling of breaking waves and seashore ground

Published in: International Journal of Physical Modelling in Geotechnics, Volume 19 Issue 3, May 2019, pp. 115-127

[Read the paper here](#)

Winner: David Wilde BSc CEng MICE MStructE

Paper: Connaught Tunnel, UK: condition and repairs

Published in: Engineering History and Heritage, Volume 172 Issue 2, May 2019, pp. 46-56

[Read the paper here](#)

Winner: Prof. Dr. Atsushi Iizuka, Dr. Shinya Tachibana, Dr. Shun Nomura, Prof. Hideki Ohta, Yuri Sugiyama, Dr. Tomohide Takeyama

Paper: Extension of unsaturated soil mechanics and its applications

Published in: Geotechnical Research, Volume 6 Issue 3, September 2019, pp. 156-176

[Read the paper here](#)

Winner: Dr. Cornelia Doerich-Stavridis, Dr Leon Chernin PhD, Frazer John Watters, Dr Margi Vilnay PhD CEng MICE SFHEA, Valdemaras Sivickij

Paper: Fidelity of computational modelling of offshore jacket platforms

Published in: Engineering and Computational Mechanics, Volume 172 Issue 2, June 2019, pp. 79-93

[Read the paper here](#)

Winner: Dr Ankit Garg, Dr. Jun Jun Ni Ph.D, Dr. Sanandam Bordoloi PhD, M.E, B.E, Weiling Cai, Prof Guoxiong Mei, Phani Gopal Maddibiona, Prof. Peng Lin, Tjalfe G. Poulsen

Paper: Influence of biochar addition on gas permeability in unsaturated soil

Published in: Géotechnique Letters, Volume 9 Issue 1, March 2019, pp. 66-71

[Read the paper here](#)

Winner: Mike Bains, Yang Hongyi, Chen Jialong

Paper: International policy perspectives on construction waste minimisation and recycling

Published in: Waste and Resource Management, Volume 172 Issue 3, August 2019, pp. 76-85
Themed issue on waste minimisation

[Read the paper here](#)

Winner: Dr. Pang-jo Chun, Prof. Keiji Tsukada, Masahiro KUSUMOTO MSc, Dr. Kazuaki Okubo

Paper: Investigation and repair plan for abraded steel bridge piers: case study from Japan

Published in: Forensic Engineering, Volume 172 Issue 1, February 2019, pp. 11-18

[Read the paper here](#)

Premium Prizes for Papers

Baker Medal

Created in memory of Sir Benjamin Baker (1840-1907), a Past President of the Institution, and awarded in recognition of services to development or investigation in one of the following: bridges, dams, tunnels, soil mechanics, foundations, transport, research and materials.

Winners: David Edward Wiggins, Kiera Mudd MEng(Hons), Matthew Healey

Paper: Rehabilitation of Brougham Castle Bridge, UK

Published in: Engineering History and Heritage, Volume 172 Issue 1, February 2019, pp. 7-18

[Read the paper here](#)

George Stephenson Medal

Instituted by Council in 1881, the dies of the medal were acquired from Messrs J. S. and A. B. Wyon and the cost of the medal is provided from Institution funds.

Winners: Dr. Karl An, Prof. Jimmy Fung, Prof. Julian Hunt Hon FICE FRS

Paper: Downwind flow behaviours of cuboid-shaped obstacles: modelling and experiments

Published in: Engineering and Computational Mechanics, Volume 172 Issue 1, March 2019, pp. 12-32

[Read the paper here](#)

Telford Gold Medal

The Telford Medal is the Institution's highest award for a paper. It was introduced in 1835 following a bequest made by Thomas Telford (1757-1834), the Institution's first President. The medal may be awarded for a single paper or an outstanding series of papers.

Winners: Dr Michael Wan BEng MSc PhD DIC CEng MICE MHKIE, Jamie R. Standing MSc DIC PhD MICE (2020), Prof J.B.Burland CBE FEng FRS FICE NAE, Prof. David M. Potts FEng FICE 2019

Paper: Pore water pressure and total horizontal stress response to EPBM tunnelling in London Clay

Published in: Géotechnique, Volume 69 Issue 5, May 2019, pp. 434-457

[Read the paper here](#)

Prizes that promote the Institution and the Civil Engineering Profession

Brunel Medal

The Brunel Medal is awarded to recognise excellence in civil engineering. All teams, persons or organisations operating within the built environment will be eligible.

Winner: Mangdechhu Hydroelectric Project Authority

Highly Commended: Tai Kwun – Centre for Heritage and Arts, Hong Kong

Highly Commended: MiC Quarantine Camp at Lei Yue Mun, Hong Kong.

Chris Binnie Award for Sustainable Water Management

This award recognises particular actions within the water sector which have benefited society by improving the sustainability of water.

The action can relate to a physical engineering project, a programme of works, the implementation of policy or the outcome of a piece of research – the emphasis being on the added benefit that has been brought to society.

The award is open to individuals or organisations including water companies, consultants, contractors, research bodies, regulators, governments and community groups.

Winner: Ampcontrol and Aurecon

Project: Project Giglhi modular water desalination project for geographically remote communities

Edmund Hambly Medal

The Edmund Hambly Medal is an award for the creative design of an engineering project that makes a substantial contribution to “sustainable development”.

Winner: Environment Agency and BAM Nuttall Mott MacDonald Joint Venture

Project: Boston Barrier

International Medal

The International Medal is awarded to a civil engineer in one of the following categories:

A member of the Institution of Civil Engineers or a civil engineer who is not a member of the Institution of Civil Engineers who had prime responsibility for an outstanding contribution to civil engineering outside the United Kingdom, or; a civil engineer resident outside the United Kingdom and not a citizen of the United Kingdom, who had prime responsibility for an outstanding contribution to civil engineering inside the United Kingdom.

Winner: Dr. Gue, See Sew

John Mitchell Medal

This medal was instituted in 2008 by the John Mitchell Memorial Trust to commemorate the distinguished geotechnical engineer, John Mitchell. It is awarded annually on geotechnical practice, site-based innovation, or geotechnical safety.

Winner: David Beadman MA CEng FICE MStructE

Warren Medal

The Warren Medal is awarded annually by the Institution of Civil Engineers to a member of the Institution in recognition of valuable service rendered to his or her Local Association.

Winner: Shirley Jayanthi Sivakumaran BSc Eng Hons FICE CEng FIE(Aust) CPEng PE(S)

President’s Medal

Awarded annually to a person, whether or not a member, who has performed any service to the Institution, to civil engineers or to the profession of civil engineering, that has not otherwise been

recognised. The President decides who receives the medal and particular regard is shown to service that reflects the priorities and objectives that the President has identified for his/her year in office.

Winner: Dame Judith Hackitt DBE, FREng, FIChemE, FCGI