



Thursday, 25 August

8:15am **Registration**
East Quad (front lobby)

8:45am **Opening Address**
Concert Hall

9am **Bridge Keynote**
Concert Hall
Chaired by: Dr. Daniel McCrum

9am **The pursue of total design of bridges in the era of climate change**
» [Mr. Marcos Sanchez](#)

9:45am **Transport keynote**
Concert Hall
Chaired by: Mr. Ross Higgins

9:45am **Active Travel Research Priorities**
» [Mr. Brian Deegan](#)

9:45am **Geotechnical Keynote**
EQ-002
Chaired by: Dr. David Igoe

9:45am **The Gjerdrum, Norway quick clay slide of 30 Dec. 2020 and Irish peat slides 2020 – some parallels**
» [Prof. Mike Long](#)

10:30am **Morning break**
East Quad Foyer

11am **Structures Keynote**
Concert Hall
Chaired by: Dr. Tomas O Flaherty

11am **50 Years of Pultruded FRP Materials in Structural Engineering**
» [Dr. Lawrence Bank](#)

11:45am **Bridges 1**
EQ-002

11:45am **A 3D computational fluid dynamics validation study for the Queensferry Crossing Bridge with bus models on the deck**
» [Mr. Licheng Zhu](#), Dr. Daniel McCrum, Dr. Jennifer Keenahan

12pm **Scour at a drowned model FlexiArch bridge**
» [Mx. Sachie Prabuddha Sathurusinghe](#), Prof. Gerard Hamill, Prof. Su Taylor, Dr. Des Robinson

12:15pm **Vulnerability Assessment of Existing Bridges to Scour, Based on an Indirect Monitoring Approach and Machine Learning Tools**
» [Ms. Sinem Tola](#), Dr. Joaquim Tinoco, Prof. José C. Matos, Prof. Eugene OBrien

11:45am **Geotechnical 1**
EQ-116

11:45am **Implementation of PISA numerical framework for offshore wind foundation design**
» [Mr. Louis-Marin Lapastoure](#), Dr. David Igoe

12pm **Geotechnical and Drainage Challenges on the N4 Collooney to Castlebaldwin Road Scheme**
» [Dr. Alan Duggan](#), Mr. Andy Wilkins, Mr. Mark Peters, Mr. Sean Fitzsimons



Continued from **Thursday, 25 August**

12:15pm **Dredge Sediment Stabilisation Works at Howth Fishery Harbour Centre**

» [Mr. Paddy Curran](#), [Mr. Patrick Parle](#), Mr. Miron Piwonski, Mr. Peter Seymour, Mr. John Farragher

12:30pm **Rock Tunnel Stabilisation Works at Caha Tunnel on the N71**

» Mr. Paddy Curran, Mr. Sean Regan, [Ms. Jasmin Spoerri](#), [Mr. Daniel Cagney](#), Mr. Liam Duffy, Mr. Keir Wilson

12:45pm **Numerical analysis of low height piled embankments**

» [Mr. Sean Ahern](#), Dr. Patrick Naughton

11:45am **Structures 1**

EQ-112

Chaired by: Prof. Su Taylor

11:45am **Optimising existing digital workflow for structural engineering organisations through the partnering of BIM and Lean processes.**

» [Mr. John McLaughlin](#), Dr. Barry McAuley

12pm **An advanced binary slime mould algorithm for feature subset selection in structural health monitoring data**

» [Dr. Ramin Ghiasi](#), Dr. Abdollah Malekjafarian

12:15pm **Nonlinear finite element modelling and analysis of a novel self-centring steel structure under cyclic lateral loading**

» [Dr. Yadong Jiang](#), Dr. Suhaib Salawdeh, Dr. Gerard J. O'Reilly, Mr. Hatim Alwahsh, Prof. Jamie Goggins

12:30pm **Model Validation for the Wind Response of Modular High-Rise Buildings through Full Scale Monitoring**

» [Ms. Hollie Moore](#), Prof. Brian Broderick, Dr. Breiffni Fitzgerald, Mr. Vincent Barrett, Mr. Shane Linehan

12:45pm **A systematic approach for the preliminary design of stadium roofs**

» [Ms. Clíodhna Duggan](#), [Mr. Rui Teixeira](#), Dr. Antonio Barrias

11:45am **ITRN 1**

EQ-117

11:45am **Recycling of plastic waste in road construction**

» [Mr. Michael O'Shea](#), [Mr. Marinel Popa](#)

12pm **Using Machine Learning to Predict the Impact of Incidents on the M50 Motorway in Ireland**

» Mr. LinHao Yang, [Mr. Robert Corbally](#), [Dr. Abdollah Malekjafarian](#)

12:15pm **Road Drainage Conveyance Systems – Optimum Selection Approach for Road Schemes in Ireland**

» [Mr. John Halpin](#), Dr. Shane Newell

12:30pm **Transport in the Northern & Western Region of Ireland - Current Provision & Future Challenges**

» [Mr. Steve Bradley](#), Dr. Amaya Vega, Dr. Brian McCann

12:30pm **Lunch**

Lower House

1:45pm **ITRN 2**

EQ-002

1:45pm **Development and Application of a Methodology for Pedestrian and Driver Communication Observation to Improve Pedestrian Road Safety**

» [Mr. Peter Dickson](#), Dr. Brian McCann

2pm **Managing Driving Under the Influence of Alcohol using Driver Rehabilitation and Alcohol Ignition Interlock Systems**

» Dr. Margaret Ryan, [Prof. Desmond O'Neill](#), Ms. Roisin Carr, Mr. Aiman Abdul Ghani, Ms. Donna Noonan



Continued from **Thursday, 25 August**

2:15pm **Evaluating the Impact of Connected and Autonomous Vehicles on Long Span Bridge Loading**

» [Mr. Cian Collins](#), Mr. Michael Quilligan

2:30pm **Investigation into the Viability of Electric Light Commercial Vehicles for Local Authority Applications in Ireland**

» [Mr. Jack Houlihan](#), Dr. Brian McCann

1:45pm **Sustainable cities and climate change 1**

EQ-116

Chaired by: Dr. Paul Moran

1:45pm **Improving the sustainability of fibre-reinforced polymer composite structures**

» [Dr. William Finnegan](#), Dr. Tomas Flanagan, Mr. Conor Kelly, Prof. Jamie Goggins

2pm **Methods of strengthening CLT manufactured using Irish Sitka Spruce**

» [Ms. Emily McAllister](#), Dr. Daniel McPolin, Ms. Grainne O'Neill, Mr. Jamie Graham

2:15pm **Optimising heating costs in low-occupancy offices**

» Ms. Erica Markey, Ms. Niti Saini, [Prof. Roger West](#)

1:45pm **Structures 2 & New Frontiers**

EQ-112

Chaired by: Dr. Bernard Enright

1:45pm **Developments in the Manufacture of Powder Epoxy Fibre Reinforced Polymer Composite Structures**

» [Dr. Michael Flanagan](#), Prof. Jamie Goggins, Dr. William Finnegan, Dr. Tomas Flanagan

2pm **Investigating the accuracy and reliability of UAV photogrammetry on railway infrastructure**

» [Ms. Aimee McCabe](#), Dr. Daniel McPolin, Dr. Sreejith Nanukuttan

2:15pm **Tensile Mechanical Testing of Powder Epoxy Glass Fibre Composites with Embedded Optical Fibre Sensors**

» Mr. Brendan Kelley, [Prof. Jamie Goggins](#), [Dr. William Finnegan](#)

1:45pm **Concrete 1**

EQ-117

Chaired by: Dr. Ciaran McNally

1:45pm **Concrete Matters - 25 years of Concrete Research in Ireland Conferences**

» [Prof. Roger West](#), Prof. Mark Richardson

2pm **Investigation on fire retardant Concrete with Post Fire Self-Healing features**

» [Dr. Ajitanshu Vedrtam](#), Prof. Jamie Goggins, Dr. William Finnegan

2:15pm **Assessment of Corrosion Damaged Reinforced Concrete Beams Subjected to Shear**

» [Mr. David O'Callaghan](#), Mr. Kieran Ruane

2:30pm **A solution to bamboo reinforced concrete's bond problem**

» [Ms. Meabh Childs](#), Prof. Roger West

2:45pm **Bridges 2**

EQ-002

2:45pm **Bridge global damage detection using direct acceleration data**

» [Dr. Muhammad Arslan Khan](#), Prof. Eugene OBrien, Dr. Daniel McCrum, Dr. Abdollah Malekjafarian

3pm **Monitoring the health of bridges using accelerations from a fleet of vehicles**

» Dr. Daniel McCrum, [Mr. Shuo Wang](#), Prof. Eugene OBrien



Continued from **Thursday, 25 August**

- 3:15pm **Laboratory Verification of Vehicle Contact Point Response for Bridge Condition Monitoring**
» [Mr. Robert Corbally](#), Dr. Abdollah Malekjafarian
- 3:30pm **Cost-Benefit Analysis of various mitigation measures on bridge and tunnel strike events by oversized vehicles in different socio-economic regions**
» [Ms. Ilaria Bernardini](#), Dr. Emmanouil Kakouris, Dr. Mark Tucker
- 2:45pm **Geotechnical 2**
EQ-116
- 2:45pm **Review of Structural Fills in Irish Practice**
» [Mr. Ronan Travers](#), [Mr. Eoin Wyse](#)
- 3pm **The influence of backfill strength and stiffness on the predicted behaviour of Geosynthetic Reinforced Soil – Integrated Bridge Systems (GRS-IBS)**
» [Ms. Bahia El Refai](#), Dr. Patrick Naughton
- 3:15pm **The influence of geogrid properties on the predicted behaviour of Geosynthetic Reinforced Soil – Integrated Bridge Systems (GRS-IBS)**
» [Mr. Daniel Naughton](#), Dr. Patrick Naughton
- 3:30pm **Pullout performance of anchored earth systems**
» [Mr. Keith Nell](#), Dr. Patrick Naughton
- 2:45pm **Energy 1**
EQ-112
- 2:45pm **A 2030 vision for renewable energy; The political landscape surrounding ocean energy for electricity in Europe**
» [Mr. Zak Hawthorne](#), Dr. Peter Ryan, Dr. Thomas Dooley, Dr. Fergal O'Rourke

- 3pm **The development of hydrogen standards in Ireland**
» [Ms. Niamh Conroy](#)
- 3:15pm **Modeling the effects of Construction Risks on the Performance of Oil and Gas Projects in Developing Countries: Project Managers' Perspective**
» [Mr. M.K.S. Al-Mhdawi](#), Prof. Alan OConnor, Dr. Mario Brito, Dr. Abroon Qazi, Prof. H.A. Rashid
- 3:30pm **Performance Degradation in Electric Load Forecasting Models due to Heterogeneous Data Streams in Smart Grid.**
» [Dr. Muslim Jameel Syed](#), Prof. Jamie Goggins, Mr. Abdul Azeem
- 2:45pm **Concrete 2**
EQ-117
Chaired by: Dr. Daniel McPolin
- 2:45pm **Deriving discrete solid phases from CSH-3T and CSHQ end-members to model cement hydration in PHREEQC**
» [Dr. Niall Holmes](#), Dr. Colin Walker, Prof. Mark Tyrer, Dr. Denis Kelliher
- 3pm **Effect of the early dissolution of Al-phases in reactive industrial wastes, on the setting times and rheology of sustainable binders**
» [Mr. Zehao Lei](#), Dr. Sara Pavia
- 3:15pm **Modelling the thermoelectric properties of cement-based materials using finite element method and effective medium theory**
» [Dr. Lorenzo Stella](#), Dr. Conrad Johnston, Dr. Javier Fernández Troncoso, Dr. Piotr Chudzinski, Dr. Esther Orisakwe, Prof. Jorge Kohanoff, Ms. Ruchita Jani, Dr. Niall Holmes, Prof. Brian Norton, Ms. Xiaoli Liu, Prof. Ming Qu, Prof. Hongxi Yin, Prof. Kazuaki Yazawa
- 3:30pm **Investigation of fresh properties of 3D concrete printing containing nanoclay in forms of suspension and powder**
» [Mr. Sandipan Kaushik](#), Prof. Mohammed Sonebi, Dr. Giuseppina Amato, Prof. Arnaud Perrot, Prof. Utpal Kumar Das



Continued from **Thursday, 25 August**

3:45pm **Afternoon Break**
East Quad Foyer

4:15pm **Bridges 3**
EQ-002

4:15pm **Finite element modelling of the Loopline Bridge and model validation using ground-based radar interferometry**
» Mr. Conor Flannery, Dr. Paraic Quirke, Dr. Cathal Bowe, Dr. Abdollah Malekjafarian

4:30pm **Structural monitoring of N80-S1 River Slaney bridge**
» Dr. Antonio Barrias, Mr. Jorge Martínez, Mr. Pat Moore

4:45pm **A numerical study on the sheltering effects of the central wind barriers on the Rose Fitzgerald Kennedy Bridge**
» Mr. Yuxiang Zhang, Dr. Philip Cardiff, Dr. Conor Sweeney, Mr. Fergal Cahill, Dr. Jennifer Keenahan

4:15pm **Sustainable cities and climate change 2**
EQ-116
Chaired by: Dr. William Finnegan

4:15pm **Floodplain restoration: opportunities to use nature in the solution of complex challenges impacting urban areas in Ireland for adaptation to a changing climate.**
» Ms. Mary-Liz Walshe, Dr. Laurence Gill

4:30pm **Cost of Retrofit Solutions to Improve the Heat Loss Parameter of Buildings**
» Dr. Paul Moran, Prof. Jamie Goggins

4:45pm **Carbon Footprint of an Irish University, Scope 3 emission factors and Covid-19 trends**
» Mr. Thomas Adams, Prof. Jamie Goggins, Mr. Stephen Canny, Dr. Eoghan Clifford

4:15pm **Energy 2**
EQ-112

4:15pm **Modelling human influences in the indoor environment in homes**
» Ms. Niti Saini, Prof. Roger West, Dr. Patrick Shiel, Dr. Ruth Kerrigan, Mr. Ricardo Filho, Mr. Ian Pyburn

4:30pm **Indirect based approaches to assessing the heating behaviours of occupants in residential buildings**
» Mr. Masoud AzimiSechoghaei, Dr. Asit Kumar Mishra, Dr. Paul Moran, Prof. Jamie Goggins

4:45pm **One-Stop-Shops: Are they effective in delivering energy retrofit of homes in Ireland?**
» Ms. Orlaith McGinley, Dr. Paul Moran, Prof. Jamie Goggins

4:15pm **Pedagogy**
EQ-117
Chaired by: Una Beagon

4:15pm **Education for Sustainable Development: Mapping the SDGs to University Curricula**
» Mr. Thomas Adams, Prof. Jamie Goggins

4:30pm **Shrinking Sports Socks and Cracking Concrete Slabs**
» Prof. Roger West, Dr. Stephen West

4:45pm **Delivering materials laboratory sessions to large classes during the COVID-19 pandemic**
» Prof. Roger West, Dr. Declan O'Loughlin, Dr. Amir Pakdel, Mr. Michael Grimes, Mr. Shane Hunt

5pm **Main awards and conference reception**
Lower House



Friday, 26 August

8am **Registration**
Trinity Business School (foyer)

9am **Provost Address**
Dargan 2 Theatre

9:15am **Concrete Keynote**
Dargan 2 Theatre
Chaired by: Dr. Daniel McPolin

9:15am **Alkali-activated cements and concretes – where have we come from, and where might we be going?**
» [Prof. John Provis](#)

10am **Concrete 3**
Dargan 2 Theatre
Chaired by: Prof. Roger West

10am **Review of fly-ash as a supplementary cementitious material**
» [Ms. Nikki Maria Shaji](#), Dr. Niall Holmes, Prof. Mark Tyrer

10:15am **Use of low grade kaolinitic clays in development of a pozzolan cement binder system**
» [Mr. Kwabena Boakye](#), Dr. Morteza Khorami, Prof. Eshmaiel Ganjian, Dr. Ahmad Ehsani, Prof. Andrew Dunster, Dr. Messaoud Saidani, Prof. Mark Tyrer, Prof. Xiang Zhang

10:30am **An insight into graphene as an additive for the use in concrete**
» Dr. Tahreer Fayyad, [Mr. Ahmed Abdalgader](#), Prof. Mohammed Sonebi

10am **Energy Keynote**
Dargan 1 Theatre

10am **Can Irish buildings become net energy-producing carbon-sinks?**
» [Prof. Brian Norton](#)

10:45am **Morning Break**
Trinity Business School (foyer)

11:15am **Sustainability Keynote**
Dargan 2 Theatre
Chaired by: Dr. William Finnegan

11:15am **Opportunities to design for Sustainability through our physical, educational and professional structures**
» [Dr. Jennifer Boyer](#), Dr. Lorraine D'Arcy

12pm **Sustainable cities and climate change 3**
Dargan 2 Theatre
Chaired by: Dr. Alan Duggan

12pm **Influential determinants of indoor humidity in homes and the impact of retrofits**
» [Dr. Asit Kumar Mishra](#), Dr. Paul Moran, Prof. Jamie Goggins

12:15pm **A review of methods for examining behaviours of occupants in residential buildings**
» Ms. Lala Rukh Memon, [Dr. Paul Moran](#), Prof. Jamie Goggins

12:30pm **A comparative study of the environmental impact of some alkali activated and traditional materials.**
» [Mr. Omar Alelweet](#), Dr. Sara Pavia

12pm **Energy 3**
Dargan 1 Theatre

12pm **Hydrodynamic modelling of marine tidal turbines: A state of the art review**
» [Mr. Kai Xu](#), Dr. William Finnegan, Dr. Fergal O'Rourke, Prof. Jamie Goggins



Continued from **Friday, 26 August**

12:15pm **High cycle dynamic testing of marine hydrokinetic blades**
» [Mr. Conor Glennon](#), Dr. William Finnegan, Dr. Pat Meier, Dr. Yadong Jiang, Prof. Jamie Goggins

12:30pm **A study of wind-wave misalignment for the Irish coastline and its effect on the wind turbine response**
» [Mr. Shubham Shankarsingh Baisthakur](#), Dr. Breiffni Fitzgerald

12pm **Structures 3**
McNabb Theatre
Chaired by: Dr. Patrick J. McGetrick

12pm **Robustness of Square Hollow Column Sections in Open-sided Corner-supported Modular Steel Buildings**
» [Mr. Si Hwa Heng](#), Dr. Daniel McCrum, Mr. David Hyland, Mr. Michael Hough

12:15pm **The Effectiveness of Non-Destructive Testing for Decision Making in Structural Assessments - A Case Study using Impulse Response Method**
» [Dr. Shahnur Alam Sourav](#), Dr. Thomas Callanan, Mr. Desmond McNair

12:30pm **Dynamic analysis of integrated monopile-supported 5MW offshore wind turbine under environmental loads**
» [Mr. Satish Jawalageri](#), Dr. Abdollah Malekjafarian, Dr. Soroosh Jalilvand

12:45pm **Lunch**
Trinity Business School (foyer)

1:45pm **Environment Keynote**
Dargan 2 Theatre
Chaired by: Dr. Niamh Power

1:45pm **Challenges in Protecting Ireland's Environment and Opportunities for Engineering Solutions**
» [Ms. Laura Burke](#)

1:45pm **ITRN 3**
Dargan 1 Theatre

1:45pm **Understanding the factors that influenced the acceptance or rejection of transfers in Dublin's proposed new bus network.**
» [Mr. Brendan Meskell](#)

2pm **Public transport deprivation in County Limerick and the development of an effective rural public transport network**
» [Mr. Thomas Bibby](#)

2:15pm **Investigate the rural mobility and accessibility challenges of Seniors using the Free Travel Scheme.**
» [Mr. Tom Ryan](#)

1:45pm **Geotechnical 3**
McNabb Theatre

1:45pm **ANN-Based Bubble Tracking Algorithm for Clay Slurries Containing Large Gas Bubbles using X-ray CT**
» [Dr. Shuoshuo Xu](#), Prof. Jinxing Lai, [Dr. Brendan O'Kelly](#), Dr. Budi Zhao

2pm **Correlations between dynamic probe blow count and undrained shear strength for peat at a well-characterised raised bog in Ireland**
» [Mr. David McHugh](#), Dr. Ciaran Reilly, Dr. Juan Pablo Osorio

2pm **Appraisal of novel power-based extrusion methodology for consistency limits determinations of fine-grained soils**
» [Dr. Brendan O'Kelly](#)

2:30pm **Environment 1**
Dargan 2 Theatre
Chaired by: Dr. Niamh Power



Continued from Friday, 26 August

- 2:30pm **The Application of a Downscaled Economic Model for Sediment Management Projects in Ireland and The Netherlands**
 » [Dr. Ioe Harrington](#), Dr. Arjan Wijdeveld, Mr. Marco Wensveen, Mr. Alasdair Hamilton, Dr. Richard Lord, Dr. Keith Torrance, Mr. Tristan Debuigne, Dr. Eric Masson, Mr. Branislav Batel
- 2:45pm **A Novel Approach towards Adaptive Operation of Wastewater Treatment Plants – A case study of Navan WWTP.**
 » [Mr. Mohammed Mahmoud](#), Dr. Zeinab Bedri, Dr. Ahmed Nasr
- 3pm **Sustainability Analysis of a Pedestrian Bridge made from Repurposed Wind Turbine Blades**
 » [Ms. Angela Nagle](#), Mr. Kieran Ruane, Mr. Russell Gentry, Dr. Laurance Bank, Mr. Niall Dunphy, Mr. Ger Mullally, Mr. Paul Leahy

2:30pm **Concrete 4**
Dargan 1 Theatre
 Chaired by: Dr. Sreejith Nanukuttan

- 2:30pm **Sensor-based decision making in precast concrete production**
 » [Dr. Sreejith Nanukuttan](#), Dr. Gareth Conway, Mr. Odhran Cummings, Mr. Ruben Correia, Mr. Sean Toal, Mr. William Doherty
- 2:45pm **Comparative study of soft computing techniques for the prediction of concrete strength containing waste material**
 » [Mr. Ayaz Ahmad](#), Dr. William Finnegan, Dr. Yadong Jiang, Prof. Jamie Goggins
- 3pm **Automated quality inspection in precast concrete production using stereoscopic computer vision**
 » [Dr. Ross McWhirter](#), Dr. Gareth Robinson, Mr. Muddasar Anwar, Prof. Su Taylor, Prof. Gerard Hamill, Dr. Darragh Lydon

2:30pm **Structures 4**
McNabb Theatre
 Chaired by: Prof. Brian Broderick

- 2:30pm **Understanding mould growth causes and solutions for A-rated homes**
 » [Ms. Orlaith Murphy](#), Mr. Eoin Kelly, Prof. Roger West, Ms. Niti Saini
- 2:45pm **Effect of protective cladding on the fire performance of vertically loaded cross-laminated timber (CLT) wall panels**
 » [Mr. Muhammad Yasir](#), Mr. Andrew Macilwraith, Mr. Kieran Ruane
- 3pm **Dowel Laminated Timber Elements Manufactured using Compressed Wood Dowels**
 » [Dr. Conan O'Ceallaigh](#), Prof. Annette M. Harte, Dr. Patrick J. McGetrick
- 3:15pm **Developing a Model for the Load Response of Open Metal Web Timber Joists**
 » [Mr. Niall Kenneally](#), Mr. John J Murphy

3:30pm **Afternoon Break**
Trinity Business School (foyer)

4pm **Environmental 2**
Dargan 2 Theatre
 Chaired by: Dr. Joe Harrington

- 4pm **CERCOM - Adoption of the Circular Economy in Road Construction**
 » [Dr. Emma Sheils](#), Mr. Lorcan Connolly, Prof. Alan O'Connor, Prof. Eugene OBrien
- 4:15pm **Timber construction in Ireland for the mitigation of climate change and the housing crisis in 2022**
 » [Dr. David Gil-Moreno](#), Mr. Des O'Toole, Dr. Patrick J. McGetrick, Prof. Annette M. Harte
- 4:30pm **Investigating the Demand in Horticulture and Private/Recreational sectors for Recycling-Derived Fertilisers in North-West Europe**
 » [Dr. Aoife Egan](#), Dr. Niamh Power



Continued from Friday, 26 August

4pm **ITRN 4**
Dargan 1 Theatre

4pm **An overview of threat sources, vulnerabilities, and physical impact assessment of an Internet of Things enabled transportation infrastructure**
» [Mr. Konstantinos Ntafloukas](#), Dr. Daniel McCrum, Prof. Liliana Pasquale

4:15pm **Resilience Methodological Framework for Critical Infrastructure Systems subjected to Cyber-Physical Threats**
» [Mr. Lorcan Connolly](#), Prof. Alan O'Connor, Prof. Eugene OBrien

4:30pm **Gender Differences in Perceptions of cycling to school: A gender analysis of students' and parents'/guardians' perceptions of cycling to school factors**
» [Mr. Ross Higgins](#), Dr. Aoife Ahern

4:45pm **Planning Cycle Parking Trials in Dún Laoghaire-Rathdown: A Survey & GIS Approach**
» [Dr. Robert Egan](#), Dr. Conor Dowling, Prof. Brian Caulfield

4pm **Geotechnical 4**
McNabb Theatre

4pm **The C2C project and geotechnical characterisation of carbonate-bearing soil ahead of biomineralisation treatment.**
» [Ms. Maria Judge](#), Prof. Mike Long, Prof. Shane Donohue, Prof. Frank McDermott

4:15pm **Correlation between Uniaxial Compression Strength and Point Load Index for Irish Caledonian granites**
» [Prof. Bryan McCabe](#), Dr. Kevin Flynn, Dr. Sadhbh Baxter

4:30pm **Relation between Unconfined Compression Strength and Point Load Index applied to Irish rocks**
» [Mr. Maxime Delaye](#), Dr. David Igoe

5pm **Student Awards & Finish**
Dargan 2 Theatre