

Showcasing Projects with Industry: Protecting and Enhancing the Environment

Thursday, 13 May 2021, 10am - 1pm (UK time)

An Engage with Strathclyde 2021 event <https://www.engage.strath.ac.uk/venue/1782>
hosted by the Department of Civil and Environmental Engineering

Main host: Dr Elsa João (elsa.joao@strath.ac.uk)

At this event students share results of the industry projects carried out for class CL973 "Independent Study in Collaboration with Industry" - where students carry out projects of interest to industry contacts.

View all posters and vote for your favorite here: https://www.engage.strath.ac.uk/image_vote.php

Poster winners announce at 12.50 Thursday, 13 May 2021, so you must vote by 12 noon.


Any industry contact interested in proposing a project should send title, mini summary and skills needed to elsa.joao@strath.ac.uk by September 2021.



Civil & Environmental Engineering

29 Academic Staff
10 Teaching Staff
15 different nationalities
39% female

Highly multi-disciplinary
Staff degrees in: civil, chemical, mechanical, environmental engineering, maths, physics, geography, chemistry, microbiology, geology, economics.




Combining over 130 years of Civil Eng & nearly 30 years of environmental studies at Strathclyde

The three research centres of the department of civil and environmental engineering

<https://www.strath.ac.uk/research/subjects/civilenvironmentalengineering/>


Centre for Water, Environment, Sustainability & Public Health
We undertake fundamental and applied research to provide novel solutions to some of the most pressing environmental challenges, working both locally and internationally. Our expertise includes:

- water
- environmental & public health
- soil contamination, remediation and restoration
- environmental assessment
- waste, energy and the circular economy
- international development




Centre for Ground Engineering & Energy Geosciences
Our large group of researchers lead a number of national and international consortia and have expertise in a wide range of disciplines, including:

- ground engineering
- advanced materials science & applications
- faults & fluid flow
- hydro-mechanical behaviour of geomaterials
- industrial challenges
- non-intrusive geo-physical ground investigation



Centre for Intelligent Infrastructure
We're engaged in cutting-edge research covering a wide range of topics, including:

- intelligent infrastructure systems
- smart structures
- advanced materials



Dr Elsa João, University of Strathclyde

Postgraduate Courses

<https://www.strath.ac.uk/en/eng/ee/civilenvironmentalengineering/postgraduate/>

Five MSc courses:

- MSc Civil Engineering (c)
- MSc Environmental Engineering (b, c)
- MSc Environmental Entrepreneurship (a)
- MSc Hydrogeology (b)
- MSc Sustainability & Environmental Studies (a, b) – running since 1992!


Three MRes courses:

- MRes Climate Change Adaptation
- MRes Geoenvironmental Engineering
- MRes Integrated Pollution Prevention & Control

PhD programmes

It is possible to take individual classes as CPD or adding to PG Cert, PD Dip or MSc (over 5 years) – check: <https://www.strath.ac.uk/courses/postgraduate/taught/civilenvironmentalengineering/openaccess/modular/>

Accreditation: All MSc programmes are accredited by the Joint Board of Moderators (JBM): Institution of Civil Engineers (ICE); Institution of Structural Engineers (IStructE); Chartered Institution of Highways and Transportation (CIHT); and Institute of Highway Engineers (IHE). <https://www.jbm.org.uk/Home>



Dr Elsa João, University of Strathclyde

Brief programme – check breakout groups in detailed programme

10-10.10 - Introduction and welcome to the event

10:10 – 10:50 – Session A: Protecting our planet
Zoom link: <https://strathzoom.us/j/5812835564>
Meeting ID: 581 283 5564; Zoom passcode: SessionA

10:50 – 11:30 – Session B: Water Resources and Microbiology
Zoom link: <https://strathzoom.us/j/99286609168>
Meeting ID: 992 8660 9168; Zoom passcode: SessionB

11:30 – 12:10 – Session C: Innovation and Entrepreneurship
Zoom link: <https://strathzoom.us/j/5812835564>
Meeting ID: 581 283 5564; Zoom passcode: SessionC

12:10 – 12:50 – Session D: Green and Eco Engineering
Zoom link: <https://strathzoom.us/j/99093939304>
Meeting ID: 990 9393 9304; Zoom passcode: SessionD

12.50-1pm - Wrap up event and announce poster winners
Zoom link: <https://strathzoom.us/j/95847051714>
Meeting ID: 958 4705 1714; Zoom passcode: Plenary

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Welcome back to the final session:
12.50-1pm - Wrap up event and announce poster winners

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Since 2012 students have carried out 259 industry projects for a very wide range of industry contacts

| | | |
|--|--|--|
| 4i: Design | Glasgow City Council | Revive & Bold |
| Absolute Shred/Wind | Glasgow Print Sudo | Ross Priority |
| Alphavest Environmental Glasco Settlement | Glasgow Women's Library | RSK |
| Amey Public Services-Sargate Site | Glasgow Smithline | RSPB |
| ANERSA | Government of Dubai | SA Water Stewardship |
| ARUP | Highland Council/Mitochondria Project/University | Scottish Council |
| Atlantic Water Co | GSK | Scottish Environment Protection Agency (SEPA) |
| BAM Nuttal | Highland Council and Highland Colour Coaters | Scottish Council |
| Barrick | Hillhead Community Group | Scottish Hydrogen and Fuel Cell Association |
| Beardens & Co | HKUE | Scottish Natural Heritage |
| Blive State | Impact Solutions Sports Labs Ltd | Scottish Natural Heritage |
| Blackhall & Potts | James Hutcheson | Scottish Natural Heritage |
| British Geological Survey | Joanna Goudie Ltd | Scottish Natural Heritage |
| Cafe Genduff | Kinning Park Complex (KPC) | Scottish Water |
| Cafe Soufflé | Laig Bay Brewing Co | Scottish Water |
| Campbell and Kennedy | Lamb Hill Stadium Glasgow's Military Activity Centre | Seawater Solutions |
| Carbon Trust | Land Use Consultants Ltd | SHARE consortium |
| Centre for Contemporary Arts (CCA) | Loch Lomond & The Trossachs National Park | Skyform |
| Centre for Water, Sanitation, Health and Appropriate Technology Development (WASHED) | Low Carbon Homes | Soccerworld Glasgow |
| Chemistry Mates | Marine Biodynamics Ltd | Soil Treatment Systems Ltd |
| Civic Engineers Ltd | McCurmick Ltd | South Lanarkshire Council |
| Conflict and Environment Observatory (CEOEB) | McCurmick Ltd | Strathclyde Online Learning Centre |
| Crichton Trust | McCurmick Ltd | Strathclyde Sustainability Office, University of Strathclyde |
| Culture Republic | McCurmick Ltd | Strathclyde Sustainability Office, University of Strathclyde |
| Disability Community Gask/Care | McCurmick Ltd | University of Strathclyde |
| Distell Ltd | McCurmick Ltd | University of Strathclyde Students' Association (USSASA) |
| Donaldson Associates | McCurmick Ltd | University of Strathclyde - Continuing Education |
| Dounreay Site Restoration Limited (DSRL) | McCurmick Ltd | Water for People |
| DSRL/Conservation and the Scottish Environment Health Initiative | McCurmick Ltd | Water Power Technology |
| East Dunbartonshire Council | McCurmick Ltd | Water Research Centre/University of Kent |
| Engage Refurbish | McCurmick Ltd | Water Stewardship Council/Trust/South Area |
| ENRGA | McCurmick Ltd | Willowgate Trust |
| Forestry Commission Scotland | McCurmick Ltd | Young Engineers and Science Clubs & School |
| Galligan | McCurmick Ltd | Zero Waste Scotland |
| Gamba Seafood Restaurant | McCurmick Ltd | |
| Geoponic | McCurmick Ltd | |

The pandemic did not affect this class – we had record number of projects (more than 80) for students to apply in the session 2020-21.

Dr. Elsa Jobo, University of Strathclyde

Showcasing Projects with Industry: Protecting and Enhancing the Environment

Poster winners in 2020-21

Dr. Elsa Jobo, University of Strathclyde

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Showcasing Projects with Industry: Protecting and Enhancing the Environment

Poster winners in 2020-21

In 3rd place, the prize for best poster goes to....

Dr. Elsa Jobo, University of Strathclyde

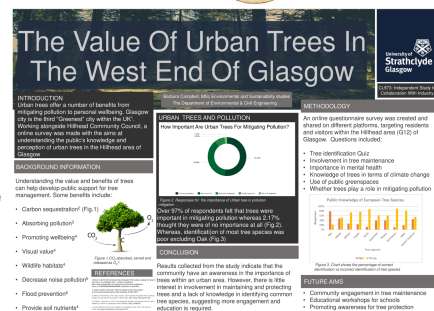
Showcasing Projects with Industry: Protecting and Enhancing the Environment

Poster winners in 2020-21

In third place is Barbara Campbell's poster.

Congratulations Barbara!

Can you say some words please.



Dr. Elsa Jobo, University of Strathclyde

Showcasing Projects with Industry: Protecting and Enhancing the Environment

Poster winners in 2020-21

In 2nd place, the prize for best poster goes to....

Dr. Elsa Jobo, University of Strathclyde

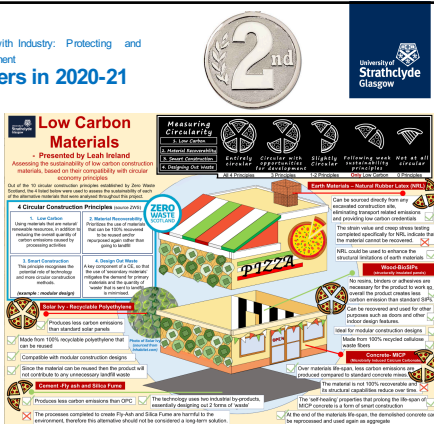
Showcasing Projects with Industry: Protecting and Enhancing the Environment

Poster winners in 2020-21

In second place is Leah Ireland's poster.

Congratulations Leah!

Can you say some words please.



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Showcasing Projects with Industry: Protecting and Enhancing the Environment

Poster winners in 2020-21

In 1st place, the prize for best poster goes to....



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An Engage with Strathclyde 2021 event https://www.engage_strath.ac.uk/venue/782
hosted by the Department of Civil and Environmental Engineering

Hope you enjoyed the event and many thanks for taking part!

Do you have any questions?

View all posters here: https://www.engage.strath.ac.uk/image_vote.php

Any industry contact interested in proposing a project should send title, mini summary and skills needed to elsa.pao@strath.ac.uk by September 2021.

Big thanks to the Engage Team for the support of this event!

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