

Inter-noise 2022

The 51st International Congress and Exposition on Noise Control Engineering will be held at the Scottish Event Campus (SEC) in Glasgow on 21-24 August 2022.

Inter-noise 2022 offers:

- **International perspectives on noise control** – Inter-noise is one of the biggest international conferences on noise control engineering, with 800 paper presentations to attract scientists, engineers and consultants from around the world.
- **Prominent topics** – showcase your research and learn from your peers in plenary sessions, symposia, poster presentations, workshops and professional training on 20 main topic areas including building noise control and architectural acoustics, transportation noise and vibration, environmental noise, and many more.
- **Grow your network** – with 800 delegates attending in person, reconnect and meet people in your specialism from all over the world.
- **Develop solutions** – meet with our 30+ exhibitors to learn about the latest on the market in noise control.
- **The opportunity to visit Glasgow** – voted as place for the ‘Best UK City Break in 2021’ by Condé Nast Traveller.

Keynote speakers

Professor Lily Wang



Presentation title: Linking indoor acoustic conditions to human wellbeing and performance.

Dr Yu Liu



Presentation title: Acoustic beamforming array design for source imaging.

The Salford Group: Professor Andy Moorhouse, Dr Andy Elliott and Dr Josh Meggitt



Presentation title: Virtual acoustic prototypes – a story of four decades.

Professor Bridget Shield MBE



Presentation title: A sound environment for schools (Subtitle: Sixty years of research into the impact of the acoustic design of schools – a review).



Maria Heckl



Presentation title: Sustainable combustion technologies need acoustics research.

Jin Yong Jeon



Presentation title: Soundscape and digital therapeutics: psycho-physiological restoration.

Find out more about our keynote speakers here: <https://Inter-noise2022.org/keynote-speakers/> **P38**

Main topic spotlights

Building noise control and architectural acoustics

These sessions will give practitioners and researchers a great opportunity to get an international perspective on the latest developments in sound insulation, room acoustics and general aspects of building acoustics. They will also provide ample opportunities for networking with other consultants and researchers.

Led by Professor Carl Hopkins

Community noise and planning

Effective planning is vital for the successful management of our soundscape and to minimise impacts on affected communities. The 'Community noise and planning' sessions will include papers on building for quality of life including use of the WHO guidelines, the soundscape resulting from the pandemic and tranquillity.

Led by Mrs Hilary Notley

Computer simulation and modelling

During the past few years, research in computer simulation and modelling has moved forward with wave based prediction now possible using graphics processing units. These sessions explain how wave based predictions allow more realistic auralisations and focusing effects to be accurately modelled.

Led by Professor Stephen Dance

Soundscapes and acoustic quality

These sessions explore the scientific fundamentals and practical solutions on environmental sounds, as perceived, in context. Both outdoor and indoor soundscaping are considered. Sessions include indoor soundscape, restorative soundscape measurement, analysis and design, industrial and rural soundscapes, soundscape and health, and AI in soundscape.

Led by Professor Jian Kang

Underwater, ship and offshore acoustics

These sessions will cover topics that relate to sound underwater and the control of sound as it is generated and propagated in the underwater environment. Underwater noise control is a very challenging topic and the papers to be presented at Inter-noise 2022 are not to be

missed. This is a great opportunity to hear presentations about such a challenging topic.

Led by Dr Joe Cuschieri

Inter-noise 2022 buddy scheme

Would you like to attend Internoise 2022 but are nervous about going to an international conference? Perhaps you're the only person from your company or university department going and you want to make the most of your experience by making sure you know someone as soon as you get there?

Or maybe you remember your first conference and wished there had been someone you could meet at the start of it to show you the ropes and explain what happens, and maybe introduce you to some of their peers?

The Institute of Acoustics' Equality, Diversity and Inclusion Working Group (EDI WG) and Early Careers Group (ECG) are putting together a buddy scheme for Inter-noise 2022. This scheme is to enable people who are not confident about attending the conference ('buddies') to have a point of contact ('mentor') throughout the conference starting with the breakfast on the first day.

Each mentor will be grouped with two buddies. Buddies and mentors will be encouraged to have a video call to get to know each other a little before the conference and then will meet at the ECG breakfast on the Monday morning of the conference. From there it will be up to buddies and mentors to decide how often they would like to meet, but some possibilities include during the first break (to discuss how the first session has gone and if they have any queries about the conference so far), lunch break and conference dinner (if mentor and buddies are attending).

Where possible, buddies and mentors will be grouped according to their language requirements and specialist acoustic interests, if desired.

Register now at <https://tinyurl.com/yfhfjcwX> or sign up to receive the newsletter at <https://tinyurl.com/yk8xrvut> to receive updates on the buddy scheme.

Reduced registration fee for students (virtual or in-person)

 Registration Fees <small>Registration Fees are in GBP and include VAT @ 20%</small>		
REGISTRATION TYPE	DEADLINE	COST
Delegate Early Bird	by 8th July 2022	£488
Delegate Standard	from 9th July 2022	£535
Delegate Onsite	from 21st August 2022	£595
Student Early Bird	by 8th July 2022	£93
Student Standard	from 9th July 2022	£108
Student Onsite	from 21st August 2022	£130

If you are a student or early career professional, there are plenty of opportunities to meet and connect with others in the same position and specialists at all stages of their careers:

- Join us at the breakfast networking event on the morning of Monday 22 August
- Connect with your peers at the early career social event on the evening of Monday 22 August
- Come together at the conference social event on Tuesday 23 August for a night of dancing, good music and great company (see more on page 40)

To take advantage of the early bird rate, register now at <https://Inter-noise2022.org/registration/>

If you can't attend in person, join us live online

Inter-noise 2022 is an excellent opportunity to attend a major international conference on noise control engineering without having to travel far!

- 60 hours of live sessions
- 5 hours of live keynote speakers
- 20 Main topics including building noise control and architectural acoustics, transportation noise and vibration, environmental noise and many more
- 130+ session topics related to noise control engineering
- 40+ virtual Poster presentations
- Opportunity to take part in live Q&A
- Live networking <https://internoise2022.org/main-topics/>

If you can't attend live online, or if you want to attend more sessions,

register now to secure access to the on-demand content for two months after the congress ends, including:

- 240 hours of sessions
- 5 hours of keynote speakers
- 20 Main topics including building noise control and architectural acoustics, transportation noise and vibration, environmental noise and many more
- 130+ session topics related to noise control engineering. View the full list of topics here: <https://tinyurl.com/2p833dpm>
- 40+ virtual Poster presentations <https://tinyurl.com/2p833dpm>

Sustainability

This congress theme, 'Noise control in a more sustainable future', is particularly timely and the congress venue is the same as that for the recent conference on climate change, COP 26. The sustainability of events is more important than ever and Inter-noise 2022 has a responsibility to reduce our carbon footprint. Inter-noise 2022 will be held at the Scottish Event Campus (SEC) which is prioritising better outcomes for their clients, the community and the environment through a sustainability strategy and their SEC Net Zero 2030 ambition. Working with staff, organisers of the Inter-noise 2022 Sustainability Working Group, partners and visitors all forms part of the overall engagement plan to support the net zero journey. Learn more about sustainability at Inter-noise 2022 here: <https://Inter-noise2022.org/sustainability/>

Urban sound planning walks in Glasgow

When you get a break from conference sessions, join Trond Maag (urbanist, Federal Office for the Environment Switzerland) and other Inter-noise delegates, on an urban sound walk around Glasgow to see how planners and designers could develop their involvement in the everyday acoustic environment. On the walk you'll experiment with various reference points in public urban spaces, actively connecting single sounds into a track of acoustic events to notice that a few steps can make a difference in how we experience urban sound. [Register for a walk at the Inter-noise 2022 registration desk in the conference centre.](https://Inter-noise2022.org/registration/)

Explore Glasgow by bike



There are more 800 OVO bikes for hire in 79 locations around Glasgow, including a station located on the SEC campus. For more information visit: <https://www.nextbike.co.uk/en/glasgow/>

How to get there

There are more than 20 direct trains per day from London. Direct trains from Edinburgh run every 15 minutes on weekdays.

You can calculate the impact of your travel by measuring your carbon footprint <https://www.carbonfootprint.com/calculator.aspx>



Where to stay

There are plenty of budget-friendly accommodation options including student housing, which is available during the summer for short-term accommodation (from £30 per night):

- Glasgow School of Art <https://www.gsa.ac.uk/visit-gsa/summer-accommodation/>

- Here Students <https://herestudents.com/location/glasgow/base/>
- Aparto Students <https://tinyurl.com/2p896vte>
- City Room Rentals <https://tinyurl.com/2p83rdsp>
- We are Homes <https://wearehomesforstudents.com/student-accommodation/glasgow>
- There are some good Air BnB options – rent a room or book a home with a small group to cut costs <https://www.airbnb.co.uk/>

Check out these budget hostel and hotel options (from £13 a night):

- Glasgow Youth Hostel <https://www.hostellingscotland.org.uk/>
- Hostel World <https://www.hostelworld.com/>
- Stay Safe Glasgow <https://www.safestay.com/glasgow/>

Where to eat

If you are dining on a tight budget Glasgow is filled with delicious but affordable eateries. See our top suggestions below and find out more on www.inter-noise2022.org

Paesano Pizza



All the ingredients here are sourced from Italy, and the pizzas are wood-fired in the traditional Neopolitan way by expert pizzaioli. Choose from around 10 toppings, including fennel sausage, spanata spicy salami, prosciutto, anchovies and vegetables. Our only word of warning? Be prepared to queue most evenings – this is a particularly popular spot.

Where: 94 Miller Street, Glasgow, G1 1DT
Price per head: Pizzas from £6
Book now: https://www.squaremeal.co.uk/restaurants/paesano-pizza-miller-street_16523

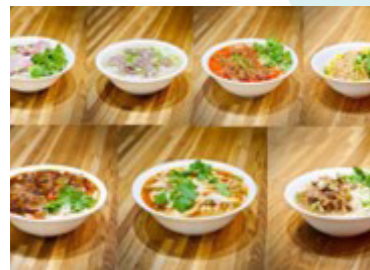
Kimchi Cult



Great fried chicken, huge portions and plenty of vegan options.

Where: 14 Chancellor Street, Glasgow, G11 5RQ
Price per head: Mains £6-9, sides £2-8
Book now: https://www.squaremeal.co.uk/restaurants/kimchi-cult_23273

Dumpling Monkey



Dumpling Monkey ticks all the boxes you look for in a Chinese takeaway. Choose between steamed and potstickers, then pork and Chinese leaves, beef and carrot, pork with king prawn and chives, chicken or vegetable. The noodle and rice dishes are great as mains and sized very generously for the price.

Where: 121 Dumbarton Road, Glasgow, G11 6PR
Price per head: £2-9 per dish
Book now: https://www.squaremeal.co.uk/restaurants/dumpling-monkey_23282

Finsbay



Open all day, this charming eatery works as a cafe, bar and restaurant

simultaneously, offering fry-ups, lunches, cocktails and beers.

Where: 44 Main Street, Glasgow, G62 6BU
Price per head: Breakfast/brunch under £10, dinner £12-15
Book now: https://www.squaremeal.co.uk/restaurants/finsbay_23411

The Inter-noise conference dinner and ceilidh



A ceilidh is a Scottish social event which involves traditional folk music and dancing and promises a fun-filled night of wild dancing, good music and great company! Have your chance to experience this at our Inter-noise 2022 social event at the Merchant Square on Tuesday 23rd August to get a real taste of Scottish culture.

Once part of the old Glasgow Fruit Market Merchant Square is at the heart of Glasgow's cultural, fashion and food quarter, with an eclectic selection of restaurants and bars.

Even if you are on a tight budget you won't get better value than the conference social event. Rather than a traditional conference dinner – for just £20/head, you can enjoy

Above: Merchant Square, Glasgow, venue for the Inter.noise conference social and ceilidh

a two course meal with drinks in a restaurant of your choice and then on to the ceilidh!

Many of the dance steps, including the do-si-do and swing-your-partner moves are similar to those performed in American square dancing. It's more about fun than getting the steps right, but there is always a 'caller' with the band, who leads everyone and reminds dancers where they should be!

Know your Glasgow

1. Until recently, Hamilton Mausoleum held the record for longest man-made reverberation time. The new world record holder is approximately 150 miles north at the Inchindown Tunnels, Invergordon.



Above: Hamilton Mausoleum

2. Glasgow has the third oldest underground railway system in the world.



3. The Finnieston Crane (adjacent to the SEC campus) was turned into a musical instrument for an exhibition in 2013 <https://www.scotsman.com/arts-and-culture/finnieston-crane-become-musical-instrument-1585488> and <https://galleryofmodernart.blog/portfolio/bill-fontana-silent-echoes/>

4. Glasgow's Britannia Panopticon is the world's oldest surviving music hall. Stan Laurel made his stage debut there.



5. The remains of St Valentine were sent to Glasgow in 1868. They are currently in Blessed St John Duns Scotus in the Gorbals.



6. Victoria Park in Glasgow features 11 extinct trees that are over 330 million years old.



7. The first ever international football match took place in Glasgow on Saturday 30 November 1872 in front of a crowd of 4,000 people.



8. Baird transmitted the first moving TV images in 1926 from London's Royal Institution to Glasgow's Grand Central Hotel.

9. In August 2008, Glasgow was named the UK's first UNESCO City of Music.



<https://citiesofmusic.net/city/glasgow/> <https://glasgowmusiccitytours.com/walking-tours/music-mile/> <https://www.glasgowlife.org.uk/glasgow-unesco-city-of-music>

10. The City Chambers building has more marble than the Vatican – it cost £578,232 to build in 1889, the equivalent of more than £40 million today.



11. Obstetrician, Ian Donald, and engineer, Tom Brown, created ultrasound technology in Glasgow <https://tinyurl.com/yckjvp7>

12. Lord Kelvin worked at Glasgow University for 53 years, where he devised the first harmonic synthesiser in 1872 and the first harmonic analyser in 1876 <https://www.gla.ac.uk/hunterian/collections/permanentdisplays/lordkelvin/>

13. 9,000 objects form The Burrell Collection, including one of the most significant holdings of Chinese art in the UK, medieval treasures, over 200 tapestries (which rank amongst the finest in the world) and paintings by including Manet, Cezanne and Degas <https://burrellcollection.com/>

Out and about

Glasgow is famous for being one of the friendliest cities in the world. A cultural hub with a vibrant nightlife, Glasgow is home to a dynamic arts scene, 19th-century Victorian architecture, and Charles Rennie Mackintosh, Scotland's most famous architect of all time. Glasgow has something for everyone and most of it is free!

Travel around Glasgow by rail for just £5 for five days with the Scotrail Conference Rover. The SEC campus has its own railway station – Exhibition Centre and there are six trains an hour from Glasgow Central Station.



Enjoy a walk around the city to appreciate the architecture (always look up), explore art, history and nature in many of the free museums and Glasgow's music events take place every night. If food and drink is up your street there are plenty of restaurants, bars, breweries, and distilleries – you will struggle to choose just one. You can get around by walking, by bike, or by bus and you will never get bored. See some of our tips for Glasgow and Scotland below.

Get to know Glasgow better with the Glasgow Walking app developed by Glasgow City Council <https://apps.apple.com/us/app/glasgow-walking/id930428468>

Learn more about Scotland's noise here: <https://noise.environment.gov.scot/noisemap/>

If you don't have time for a day trip, these sights and attractions are within a 10-minute walk of the SEC:

The Finnieston Crane
0.2 miles from SEC



This is a disused giant cantilever crane in the centre of Glasgow. It is no longer operational, but is retained as a symbol of the city's engineering heritage. It was used for loading cargo, in particular steam locomotives, onto ships to be exported around the world – as many as 30,000 locomotives were hauled through the streets of Glasgow by Clydesdale horses, traction engines and diesel tractors, from the works at Springburn to the crane for export to the British Empire. <https://bigcranco.co.uk/>

Glasgow Science Centre
0.3 miles from SEC



Open Wednesday to Sunday 10am-5pm
Glasgow Science Centre is situated on the banks of the Clyde, it presents concepts of science and technology in unique and inspiring ways with interactive exhibits, planetarium, live science shows and an Imax 3D cinema.
By showing your Inter-noise delegate badge, Glasgow Science Centre will give you a £2.00 discount on 22 August from 10am-5pm. <https://www.glasgowsciencecentre.org/>

Clydeside Distillery
0.5 miles from SEC



Here you can find out about the history of whisky, see craftsmen at work creating a new single malt and savour some samples – all with spectacular Clydeside views. Book a tour here <https://www.theclydeside.com/>

Rotunda
0.5 miles from SEC



Just outside of the SEC you'll see the Glasgow Harbour Tunnel Rotundas, which flank the River Clyde. Built between 1890 and 1896 by Glasgow Tunnel Company, they covered 24-metre-deep (79 ft) shafts to tunnels, which enabled vehicular and pedestrian access to the other side of the river. Pedestrians, horses and carts – and later motor vehicles – would be hauled up by hydraulic lifts. <http://www.clyde waterfront.com/clyde-heritage/queen-s-dock-yorkhill-quay/harbour-tunnel-and-rotundas>

Finnieston
0.6 miles from SEC



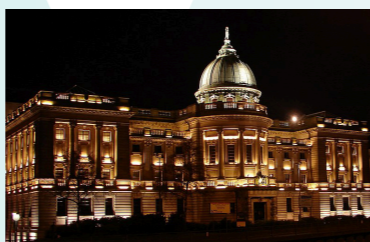
Only five minutes' walk from the SEC, explore Finnieston; a hip foodie hub of gourmet sandwich shops, artisanal coffee bars and trendy organic restaurants specialising in Scottish meat and seafood. Craft beers and gins are served up at stylish bars, while old-school pubs offer vast whisky selections and traditional folk music sessions.

Kelvingrove Art Gallery and Museum
0.9 miles from SEC



Free entry, open Monday to Thursday and Saturday: 10am-5pm. Friday and Sunday: 11am-5pm
Kelvingrove Art Gallery and Museum has 22 themed, state-of-the-art galleries displaying 8,000 objects. The collections are extensive, wide-ranging and internationally-significant including natural history exhibits, arms and armour, art works from many art movements and periods of history. Make sure your visit to Kelvingrove Art Gallery and Museum coincides with the organ recitals which are daily at 1pm (3pm on Sundays). <https://www.glasgowlife.org.uk/museums/venues/kelvingrove-art-gallery-and-museum>

Mitchell Library
0.9 miles from SEC



Free entry. The Mitchell Library is one of Europe's largest public libraries with over one million items of stock and, with its distinctive green dome, is one of Glasgow's iconic landmarks. The building opened in 1911 and is also home to the Mitchell Theatre, an exhibition hall and the Herald Cafe Bar. The Mitchell is a true hub of information and the library also includes the rare and specials collection, family history resources and local history resources. <https://www.glasgowlife.org.uk/libraries/venues/the-mitchell-library>

Riverside Museum
One mile from SEC



Free entry, Monday to Thursday, Saturday: 10am-5pm. Friday and Sunday: 11am-5pm
This Zaha Hadid-designed waterside museum carries an extensive collection of vehicles

including ambulances, buses, police cars, horse-drawn taxis and motor cars that look as if they drove to Glasgow from the set of a 1930's action movie. <https://www.glasgowlife.org.uk/museums/venues/riverside-museum>

The Tall Ship
One mile from SEC



Free entry, open 10am-5pm every day except Tuesday, which is 11am-5pm
Right next to the Riverside Museum lies the impressive late Victorian, three-masted Tall Ship that's berthed outside the museum in the River Clyde – a stunning monument to Glasgow's rich maritime heritage. <https://thetallship.com/>

West end
Only 15 minutes from the SEC, the leafy west end of Glasgow is known for its top attractions, quirky lanes, amazing food scene and relaxed vibe. Kelvingrove Park is another brilliant spot full of things to do.

University of Glasgow
1.1 miles from SEC



At 560 years old, the University of Glasgow is a stunning piece of gothic architecture where you can explore the quadrangles and cloisters. The fourth oldest university in the English-speaking world has four museums: The Hunterian Museum; the Hunterian Art Gallery, The Mackintosh House and the Zoology Museum.

<https://www.gla.ac.uk/> for details on taking a self-guided tour of the Cloisters and for more on each of its attractions.

(Hunterian Museum and Art Gallery, free entry, Tuesday to Sunday 10am-5pm
Mackintosh House, £8, Tuesday to Sunday 10am-5pm

Hunterian Zoology Museum, free entry, Tuesday to Sunday 10am-5pm)

Ashton Lane
1.5 miles from SEC

Located in Glasgow's West End, Ashton Lane borders the University of Glasgow and is renowned for its



bars, restaurants and cinema. Its cobblestones and fairy lights give it a unique charm, particularly after dark, and the lane is always busy with locals and visitors enjoying its vibe. Walk down one of the city's longest roads, Great Western Road, for vintage shops, old-fashioned street lamps, churches transformed into arts spaces and Glaswegian businesses with international reach, such as Timorous Beasties and Paulin watches <https://peoplemakeglasgow.com/see-do/shopping/independent-shopping>

Duke of Wellington
1.5 miles from SEC



One of Glasgow's most iconic landmarks is an equestrian statue with a traffic cone on the rider's head – despite the best efforts of the local council, the statue of the Duke of Wellington in Royal Exchange Square is rarely to be found without (at least one) traffic cone on his head. It was listed in a 2011 Lonely Planet Guide as 'one of the top 10 most bizarre monuments on earth'.

Gallery of Modern Art
1.5 miles from SEC



Free entry, open Monday to Thursday, and Saturday 10am-5pm
Friday and Sunday open 11am-5pm
Found in the heart of Glasgow in Royal Exchange Square, GoMA is Scotland's most popular contemporary art gallery, it features modern works from international artists, housed in a graceful neoclassical building. <https://www.glasgowlife.org.uk/museums/venues/gallery-of-modern-art-goma>

Sharmanka Kinetic Theatre
1.7 miles from SEC



Wednesday to Sunday 1-3pm
Entry: £8
This extraordinary mechanical theatre is located at the Trongate 103 arts centre and showcases, through a 30 to 60-minute shows, a series of large, wondrous mechanical figures sculpted from bits of scrap and elaborate carvings. Set to haunting music, the performances explore humorous [P44](#)

and tragic stories of the human spirit. <https://www.sharmanka.com/Home/Welcome.html>

Glasgow Botanic Gardens and Kibble Palace
1.9 miles from SEC



Free entry to grounds 7am-dusk (all year) and to Kibble Palace 12pm-4pm

Founded in 1817, Glasgow Botanic Gardens is located in the heart of the city's West End by the River Kelvin and contains a variety of plant collections, woodland copses and riverside walks as well as Kibble Palace, a magnificent glasshouse designed by John Kibble, which houses the national collection of tree ferns. Plants from tropical rainforests grow in the palm house. <https://glasgowbotanicgardens.co.uk/>

Glasgow city centre



Only a few minutes away by train or a 20-minute walk you can join the hustle and bustle of Glasgow city centre renowned for high

street brands and designer stores in Princes Square, St Enoch Centre and Buchanan Galleries. The city's wealthy past has left a legacy of some of the finest Victorian architecture such as the iconic City Chambers, which sits majestically overlooking George Square.

The Burrell Collection
3.3 miles from SEC



Free entry. The Burrell Collection, named after its donor, the shipping magnate Sir William Burrell, is one of the greatest art collections ever amassed by one person and consists of more than 9,000 objects and spans 6,000 years of history. It is housed in an award-winning building in the heart of Pollok Country Park. The displays include work by major artists including Rodin, Degas and Cézanne to important examples of late medieval art, Chinese and Islamic art, ancient civilizations and more. **<Bold URL>**: <https://burrellcollection.com/>

Get to know Glasgow better Glasgow Walking app developed by Glasgow City Council <https://apps.apple.com/us/app/glasgow-walking/id930428468>

Short trips from Glasgow (one hour away or less)
Loch Lomond



Less than an hour's train ride from the bustle and sprawl of Glasgow, the Bonnie banks and braes of Loch Lomond comprise one of the most scenic parts of the country. At the heart of Scotland's

first national park, the loch begins as a broad, island-peppered lake in the south, narrowing in the north to a fjord-like trench ringed by 900m-high mountains.

Falkirk



Falkirk is a town in Scotland's central belt, located around a 30-minute drive or 45 minutes on the train from Glasgow. The Falkirk Wheel, the world's first and only rotating boat lift is an engineering masterpiece which transports boats 115 ft between the different levels of the Union, and Forth and Clyde canals. <https://www.visitscotland.com/info/see-do/the-falkirk-wheel-p248061>



While you are there, you could also visit The Kelpies, the two 30-metre-high horse head sculptures which are a true feat of engineering. This interactive map is packed full of ideas for day trips and longer stays in Falkirk and the surrounding area. <https://www.visitfalkirk.com/plan-your-visit/map/>

Forth and Clyde Canal

The Forth and Clyde Canal crosses central Scotland east to west and is linked to the Union Canal via the Falkirk Wheel. With the building work beginning in 1768, the Forth and Clyde Canal was the first canal to be built in Scotland and played a vital part in the Scottish Industrial Revolution by helping to transport materials. Today, the Forth and Clyde Canal hosts a variety of activities including boating, fishing, cycling, walking and wildlife spotting. <https://www.scottishcanals.co.uk/canals/forth-clyde-canal/>

Edinburgh



Edinburgh is the second most visited city in the UK after London. With an abundance of history, top quality attractions and beautiful architecture, Scotland's capital city is unforgettable. Explore the Medieval Old Town and the elegant Georgian New Town, which sit side-by-side. Direct trains from Edinburgh run every 15 minutes on weekdays and take 45 minutes. You can reach Edinburgh by car from Glasgow in around an hour.

Stirling



Stirling's top attractions have witnessed some of the most defining and dramatic moments in Scotland's history. Stirling is the ancient capital of Scotland, lying at the heart of the nation's history and linked to two of its best-known heroes, William Wallace and Robert the Bruce. Occupying a strategic position in the cultural heartland of Scotland, it is surrounded by glorious countryside and is only 45 minutes on the train from Glasgow.

Tempted to stay longer?

If you have time to venture further afield, try these:

Inverness



Inverness is known as Scotland's 'Highland Capital', however, it still retains its market town feel, dating back to its early development. Nearby Loch Ness is the largest body of fresh water by volume in Britain, holding more water than all the lakes and reservoirs in England and Wales put together. Loch Ness is best known for sightings of the Loch Ness Monster, "Nessie", the Loch's water visibility is exceptionally low due to a high peat content in the surrounding soil, making the mystery of Nessie even more intriguing. <https://www.visitscotland.com/about/uniquely-scottish/loch-ness-monster/>

Glen Coe



Glen Coe is one of the most beautiful and other-worldly places in Scotland and has featured in films such as James Bond's Skyfall and several Harry Potter movies. <https://www.visitscotland.com/destinations-maps/glencoe/>

St Andrews



Andrews, Scotland's world-famous home of golf, is known for its historic university, medieval streets and gorgeous traditional buildings. <https://www.visitscotland.com/destinations-maps/st-andrews/>

West Highland Way



Scotland's most well-known long-distance trail. The traditional start is from Milngavie in the south and walked to finish in Fort William in the north. The route passes some of the best scenery in Scotland. <https://www.westhighlandway.org/>

Scottish islands and island hopping



Whether you've only got a couple of days or a couple of weeks, island hopping in Scotland is well worth the time, each of which have their own unique character. The main groups of Scottish isles which are best suited for touring include the Inner Hebrides and the Outer Hebrides in the west of Scotland, and Orkney and Shetland in the north. <https://www.visitscotland.com/see-do/island-hopping/>

One of the most iconic travel routes in the world



Taking the NC500 route allows you to discover the best the Highlands has to offer, such as its magical and mystical castles, amazing local produce, wonderful distilleries **P46**

and breweries and exhilarating wildlife safaris.

The 516-mile-long route is a five star-rated experience and is truly unforgettable. The route begins and ends at Inverness Castle which, perched on top of a hill, is the perfect starting point to the route and offers unparalleled views from its viewing tower over the capital city of the Highlands. <https://www.northcoast500.com/explore-the-route/>

Conference app

We are pleased to advise that we will be using a mobile app for Inter-noise 2022.

We encourage you to download the app as it provides useful information on the conference. Please note that there will be no printed programme book, however all abstracts, programmes, posters and conference information will be featured in the app.

Before you attend the conference, we advise you to download the app by following these instructions (help will also be on hand at the event):

- Go to the 'App Store' (on Apple devices) or 'Google Play Store' (on Android devices)
- Search for 'The Event App by EventsAir' and download
- You will be asked for the event app code, which we will send to you by email nearer the time of the conference
- You will receive log in details (email and PIN) for the app from the Inter-noise Secretariat nearer the time of the conference

Features

Programme: You can find the schedule for the conference including all presentations, workshops and keynote speakers.

My Agenda: You can add favourite sessions in the programme tab in the app by starring the session and it will appear here.

Online Programme and Abstracts: View and download the online programme and abstracts.

Posters: View the poster presentations.

Oral Presenters: Where you can view the list of all of the oral presenters.

Attendees: You can view the list of delegates attending the conference.

Meeting Hub: Where you can connect to and speak to other delegates in private chat. You can also scan and connect with other delegates and export your contact details.

Sponsors: Details and profiles of all this year's conference sponsors.

Exhibitors: Where you will find a full list of all exhibitors together with their company profile and a floor plan.

Location: Including a map of the venue.

Social Events: Find the details of the social events and how to get there.

My Photo: Upload your photo so that other delegates can find you easily.

Contact Information: Choose what contact information you want to share with other delegates on the app and virtual platform.

Our sponsors

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Learn the lingo

"Aye": Means yes, often replacing the latter in day-to-day life in Scotland

"Banter": Thrilling conversation, witty repartee or quips and wisecracks – all in all, just good chat

"Bonnie": Used to describe something or someone beautiful, pretty or attractive

"Braw": Used to describe all things nice, brilliant and fantastic

"Coorie": Is to snuggle or cuddle

"Piec": Is a sandwich

"Wheesh": Means to shush, or to be quiet 🤫