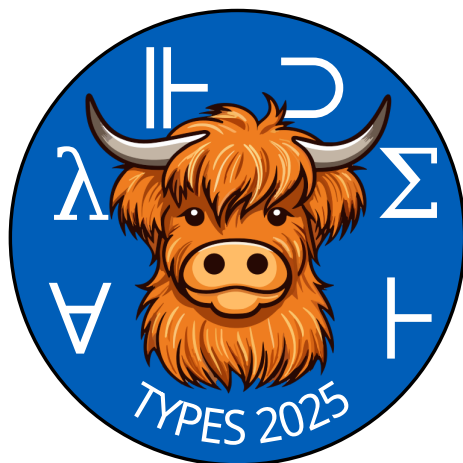
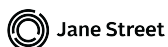


31st International Conference on Types for
Proofs and Programs

TYPES 2025



University of Strathclyde, Glasgow,
Scotland, 9–13 June 2025



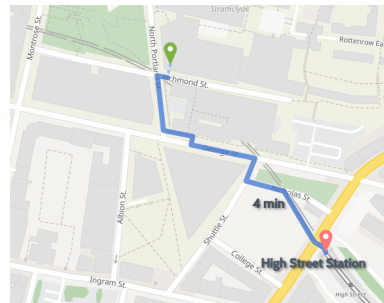
Social events

Monday 9 June: Welcome reception Livingstone Tower

The welcome reception will take place on level 11 of Livingstone Tower with views over Glasgow. Livingstone Tower is located next to the conference venue.

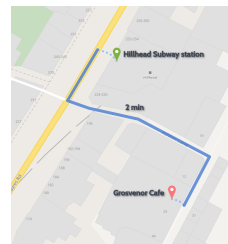
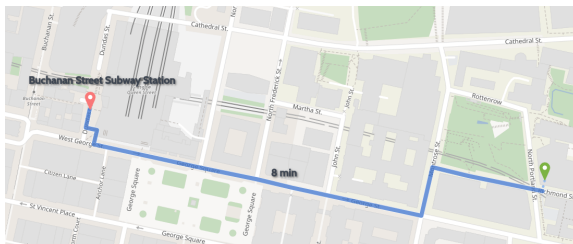
Wednesday 11 June: Excursion to Loch Lomond

Wednesday afternoon we will go on a boat trip on Loch Lomond. To get there, we will take trains from the nearby *High Street* station to the village of Balloch. We will go in two groups: one leaving at 14:39, and one leaving at 15:09. Check the back of your name badge to see which group you have been assigned.



Thursday 12 June: Conference dinner Grosvenor Cafe

The conference dinner will take place in the Grosvenor Cafe (pronunciation: grow-when-er, /'ɡrəʊ.vən.ə(ɪ)/) in Ashton Lane in the West End of Glasgow. A convenient way to get there is to take the subway from *Buchanan Street* to *Hillhead* — either the inner or outer circle works (but inner will be quicker). The dinner will start at 19:30.



MSP's Guide to Glasgow

Sights, Museums and Parks

In particular we recommend a walk through the Necropolis followed by a visit to the Cathedral.

- The Necropolis. *Glasgow's City of the Dead is close to the conference venue, and offers nice views of the city.*
- Glasgow Cathedral. *Medieval; the oldest building in Glasgow.*
- St Mungo Museum of Religious Life and Art. *Close to the Cathedral and Necropolis.*
- Glasgow Green. *Large green space by the river Clyde.*
- Kelvingrove Art Museum (Kelvingrove Park). *Art/natural history/natural/history museum, well worth a visit. Has a Dalí painting, and is located in a nice park.*
- University of Glasgow and the Hunterian Gallery. *The other university in Glasgow has a nice campus, and the oldest museum in Scotland.*
- Glasgow Botanic Gardens.
- The Burrell Collection (Pollok Park). *A varied collection of art and history. Is located in a nice park, including highland cattle.*
- Queen's Park. *Nice view of Glasgow from the flagpole.*
- Gallery of Modern Art.
- The Riverside Museum. *Award-winning transport and technology museum.*
- Glasgow Science Centre.
- The Clydeside Distillery. *The closest whisky distillery.*
- The Tenement House. *Discover what life was like in Glasgow 100 years ago.*
- Sharmanika Kinetic Theatre. *A unique experience.*
- Glasgow mural trail. *Nice walk in the city centre.*

| Time (BST) | Monday 9 th June | Tuesday 10 th June | Wednesday 11 th June | Thursday 12 th June | Friday 13 th June |
|-------------|---|---|---|---|---|
| 8:30-9:00 | Registration and Coffee | Coffee | Coffee | Coffee | Coffee |
| 9:00-10:00 | Think: Symbolic type theory for describing translation methods in classical mathematics | Abstract: Lambda and Variance for AB | Intuitive: Lambda and Variance for AB | Abstract: Lambda and Variance for AB | A continuous lambda-extended model of lambda-type theory |
| 10:00-11:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 11:00-12:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 12:00-13:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 13:00-14:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 14:00-15:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 15:00-16:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 16:00-17:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 17:00-18:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 18:00-19:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |
| 19:00-20:00 | Abstracts in Martin-Löf Type Theory with Prophecy Extension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | Extending Set Polymorphism with Extensional Comprehension | A Great Set for Propositions in Borel Data in Borel and Metaborel |

MSP's Guide to Glasgow, continued

Food

Some of our favourites.

City Centre

- Paesano Pizza, £
- Sugo Pasta, £
- Merchant Chippy, £
- Shawarma King, £
- Eda, ££
- Bread Meats Bread, ££
- Damasqino, ££
- The Dhabba, ££
- Cafe Gandolfi, ££
- Mosob, ££
- Yiamas Greek, ££
- Dim Sum, ££
- Swadish, ££
- Sarti's, ££

West End

- Ottoman Coffee House, £
- The Finnieston, £££
- Mother India, ££
- Ox and Finch, ££
- The Dockyard Social, £
- Roastit Bubbly Jocks, ££
- Time Out Cafe, £
- Zique's, ££
- Ubiquitous Chip, £££
- Ashoka, ££
- Bothy, ££

- Hanoi Bike Shop, ££
- Ka Pao, ££
- Stravaigin, ££

East End

- Celentanos, ££
- Sword Sushi, £
- Tibo Bistro, ££
- Dennistoun Bar-B-Que, ££
- WEST Brewery, ££
- The Drygate, ££

South Side

- Bar Vini, ££
- The Big Counter, ££
- Ranjit's Kitchen, £
- Kebabish, ££
- Little Hoi An, ££
- Lobo, ££
- The Glad Cafe, ££
- The Rum Shack, ££

Vegan Specialists

- Mono, ££
- Stereo, ££
- Tapa, £
- Non Viet Vegan, ££
- Suissi Vegan Kitchen, ££
- The Hug and Pint, ££

Pubs and bars

A curated list of MSP favourites, many alternatives are available.

City Centre

- The Pot Still, ££ — *Best pub in Glasgow for Whiskey.*
- Babbity Bowster, ££ — *Live traditional music by regulars on Wednesdays.*
- The Press Bar, £
- The Scotia Bar, £ — *Allegedly the oldest pub in Glasgow.*
- The Clutha, £
- The Howlin' Wolf, ££
- The Old Hairdresser's, £
- The Griffin, £

East End

- Redmond's, ££
- The Palais, ££
- The Gate, ££
- WEST, ££

Southside

- The Rose Reilly, £
- The Bell Jar, ££
- The Allison Arms, £
- Church on the Hill, ££

West End

- Bon Accord, £
- Chinaskis, ££
- Lebowskis, £
- The Sparkle Horse, ££
- Curlers Rest, £
- Inn Deep, ££
- The Belle, £

Live Music

- Nice N Sleazy
- The Hug and Pint
- Mono
- Stereo
- King Tut's Wah Wah Hut
- Ivory Blacks
- St Luke's and the Winged Ox