



University
of Glasgow



UNIVERSITY OF
OXFORD

University of
Kent



STARDUST

STARDUST: Session Types for Reliable Distributed Systems

1st October 2020 – 30th September 2024



**Engineering and
Physical Sciences
Research Council**

Glasgow Report 2023

People

Simon Gay, Phil Trinder, Simon Fowler, Duncan Attard

Project focus

Mailbox typing, working towards a tool for Erlang

Glasgow Report 2023

Publications / presentations

Simon Fowler, Duncan Paul Attard, Franciszek Sowul, Simon J. Gay, and Phil Trinder.
Special Delivery: Programming with Mailbox Types.
ICFP 2023.

Simon Fowler, Duncan Paul Attard, Simon J. Gay, and Phil Trinder.
Towards Mailbox Typing for Erlang.
Erlang Workshop 2023.

Simon Fowler and Raymond Hu.
Event-Driven Multiparty Session Actors.
Work in progress.

Glasgow Report 2023

Plans

- Continue to work on a mailbox typing tool for Erlang: Mailboxer.
- Discuss the design and application of Mailboxer with Erlang Solutions and Quviq.
- Discuss mailbox typing with TCS, to understand whether it can be applied to the ESL language.
- Get to a stage where we can apply for IAA funding to continue Mailboxer work beyond the end of Stardust.