SEMINAR PROGRAMME

Scottish Programming Languages Seminar

11:30 – 12:30 **Type-driven Verification and Weak Memory Semantics**

Type-Driven Verification of Non-functional Properties
Adam Barwell

Modelling instruction fetching in ARM assembly
Ben Simner

12:30 – 13:30 **Lunch**

Lunch will be served in the cafe area in the Atrium.

13:30 – 14:30 **Linearity and Strings**

Linear metatheory via linear algebra
James Wood

String Diagrams for Cartesian Restriction Categories
Chad Nester

14:30 – 15:00 **Coffee break**

Coffee, tea, and biscuits will be served in the cafe area in the Atrium.

15:00 – 16:00 **Probabilistic Programming and Deep Learning**

Program transformations for efficient probabilistic programming with discrete variables
Maria Gorinova

Moving Deep Learning to the Edge
José Cano Reyes

16:00 – 16:30 **Coffee break**

Coffee, tea, and biscuits will be served in the cafe area in the Atrium.

16:30 – 17:30 **Dependent Types**

Generic Level Polymorphic N-ary Functions
Guillaume Allais

Type Driven Development of Idris 2
Edwin Brady

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