

# Draft: Beth Foundation Report for PSSL 109

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The Peripatetic Seminar on Sheaves and Logic (PSSL) is a semi-regular, informal meeting of category theorist, logicians, and type theorists. We had three primary goals in mind for the 109th edition of PSSL:

1. To increase visibility of Dutch research on categories and type theory;
2. to provide an opportunity for young researchers (qualifier: MSc, PhD, postdoc) to expand their professional network and present their own research ideas;
3. to facilitate the exchange of ideas across research and national borders.

The event took place over the weekend from 15-17th November with a full program of 24 talks across 8 research themes. Our program included presentations from researchers based in at least four Dutch institutes (UvA, LEI, UG, and UU), 17 talks from young researchers (cf. item 2 above), and participants from at least 11 countries (both in-person and virtual). We were satisfied with these results as they contributed towards Primary Goal 1, Primary Goal 2, and Primary Goal 3, respectively.

Moreover, we allocated a portion of our budget towards a program of two distinguished/invited lectures. Our distinguished speakers were Maaïke Zwart (IT University of Copenhagen) and Paolo Perrone (University of Oxford): both are outstanding early career researchers in accordance with Primary Goal 2. They contributed tutorial-style lectures on distributive laws of monads and categorical probability theory, respectively.

Another important aspect of our event was the conference dinner. This provided a space for more informal discussion and an opportunity for the community to get to know one another on a personal level. The impact of this activity further facilitated Primary Goal 1 and Primary Goal 2.