**EWN-NL Individual Grant Report – Dr Katharina Klioba**

It is with great pleasure that I report on an inspiring conference week in the Black Forest, which was made possible by the EWM-NL organisation. In April 2025, I received their funding to attend the conference 'Analysis and Probability in Infinite Dimensions' in Bad Herrenalb, Germany. It was an inspiring conference gathering researchers from functional, harmonic, and stochastic analysis, honouring the academic achievements of Jan van Neerven. The program of in-depth invited talks covering different aspects of infinite-dimensional analysis and probability theory was complimented by a poster session, where I got the opportunity to present and discuss my recent work on semilinear stochastic evolution equations of hyperbolic type.

Invited talks were given by key researchers from the areas of stochastic evolution equations, semigroup theory, harmonic analysis, and PDEs. Throughout, the talks were of great quality and I enjoyed getting an insight also into neighbouring research areas. Among my personal highlights of the conference was the talk by Hakima Bessaih, a professor at Florida International University, who presented an impressive overview of numerical analysis results in the context of stochastic hydrodynamics. Working on the approximation of stochastic PDEs myself, I was grateful for the opportunity to discuss recent results and my research plans and to connect with other women working in the same field. We continued the discussions during a hike through the neighbouring Black Forest, a particularly nice environment for scientific and personal exchange.

*Photo of myself during the poster session.*

The poster session provided a great venue for presenting and discussing my work. Particularly, I enjoyed the friendly atmosphere during the conference, which facilitated exchange and connecting to well-established people in the field. The preceding 1-minute poster flash presentations by all poster participants were also a great idea to give an overview of all posters. In addition to presenting my work, the poster session also gave me the opportunity to get feedback on the project I am currently working on, which concerns the well-posedness and numerical approximation of hyperbolic stochastic evolution equations with polynomially growing nonlinearities.

Overall, it was an inspiring conference, and I am grateful to the EWM-NL organisation for their support.