The conferences start

The first day of the main ETAPS conferences will be opened by Joost-Pieter Katoen followed by the first plenary speaker, Andrew D. Gordon.

**Title**: Structure and Interpretation of Probabilistic Programs

**Abstract**: Probabilistic programming is a technique for solving statistical inference and machine learning problems by writing short pieces of code to model data. We survey the area and describe recent advances in semantic interpretation. Probabilistic programs exhibit structures that include hierarchies of random variables corresponding to the data schema, recurring modelling patterns, and also the classical Bayesian distinction between prior and likelihood. We exploit this structure in language designs that yield data insights with only a modicum of user input.
Edsger Wybe Dijkstra

Edsger Wybe Dijkstra (11 May 1930 - 6 August 2002) was one of the most influential persons in the history of the Dutch computer science. Dijkstra received the ACM Turing Award in 1972 for his contributions in the area of programming languages. A lot of terms which are commonly used nowadays, are pioneered by Dijkstra. Examples are: semaphores, Banker’s algorithm and Dijkstra’s shortest path algorithm. Dijkstra was also a professor at the Technische University of Eindhoven.

Thanks to our sponsor: ASML

How do you reposition a wafer, nanometer accurately, every 50 μs?

Join ASML as a Software Engineer to find out.

We bring together the most creative minds to develop lithography machines that are key to producing cheaper, faster, more energy-efficient microchips. That’s how we developed a revolutionary wafer-repositioning system. We used an extremely diverse set of software tools - harnessed by an equally diverse and talented team of Software Engineers.

If you are a team player, passionate about solving complex problems, and enjoy working in a dynamic environment, you’ll find working at ASML a highly rewarding experience. You will have the freedom to experiment in a culture that will let you get things done.

www.asml.com/careers

ASML
For students who think ahead