

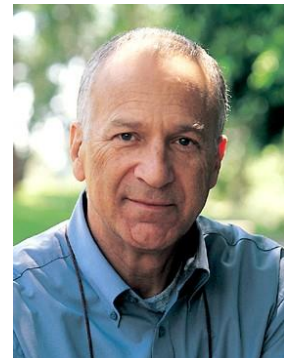
The Ada Lovelace Bicentenary Lectures on Computability, December 2015 – January 2016

[David Harel](#) (Weizmann Institute of Science)

Computability in the Footsteps of Turing — A Personal Trip

Monday, 21 December, 11:15-12:15

After saying something about the greatness of Alan Turing, I will discuss briefly some of his most important contributions to the fundamentals of computation, e.g., undecidability and universality. The bulk of the lecture will be devoted to research I was involved in between 1979 and 1999, which can be viewed as modest efforts that follow in the footsteps of Turing's pioneering work. They include computability and complexity over finite structures (joint with the late Ashok Chandra), high undecidability, and computability over infinite recursive structures.



[Watch the video](#)

