Biography

Paul Havinga was born in Groningen, the Netherlands, on January 1st 1962. He obtained his Atheneum-diploma from the Florens Radewijnsz College in Raalte in 1980. He graduated in 1985 at the Enschede University of Professional Education in Computer Science. Subsequently, he started to work as project-assistant at the faculty of Computer Science at the University of Twente in 1985.

He worked there at various projects: on a multiprocessor system *Tumult*, on a central ATM network switch for multimedia applications *Rattlesnake*, and during the last four years in the *MOBY DICK* project on mobile computing. Main emphasis in the latter project has been on the design of an energy-efficient architecture for handheld multimedia systems. Although the subject of these projects seems at first appear to be quite different, there are many similarities. Many techniques and mechanisms that are used in networks for multiprocessor systems, are also suitable for switching elements for distributed systems, and even for communication inside a small handheld computer.

Currently he is involved with the *Chameleon* project that deals with reconfigurable computing for handheld multimedia systems. This project is a spin-off from the *MOBY DICK* project and the research presented in this thesis.