

Herwig Mannaert

Herwig Mannaert graduated as an electronics engineer in 1988 at the K.U.Leuven. He obtained his PhD at the K.U.Leuven in 1993, specializing in the design of object recognition algorithms for image interpretation. As a pilot application for these algorithms, he led the development of a real-time video system for license plate recognition that became operational in 1992. From 1992 to 1997, he taught a course on signal processing, random signal analysis, and digital filter design, leading to the publication of his first textbook in 1998.



In 1993, he became an associate professor at the Management Information Systems Department of the University of Antwerp, where he has been teaching courses at the interface between information and telecommunication technology since then. These courses led to the publication of an overview textbook on electronics in 2005. From 1998 to 2000, he was a lead-developer of the secure communication software for the Society for Worldwide Interbank Financial Telecommunications.

In 2000, he co-founded Cast4All, a company that licenses scalable and transactional software management systems for distributed applications on heterogeneous and often poorly connected networks. Current applications include the distribution of digital movies via satellite to cinemas and cable head-ends, the central management of facility equipment in large datacenters, and the management of power solutions on optical fiber networks and along high-speed railroads.

Currently, he is a Professor at the University of Antwerp, where he is Chairman of the Management Information Systems Department, an Executive Professor at the University of Antwerp Management School, and a Director of Cast4All. While he has also been publicizing lately on e-learning technologies and the use and adoption of open source software, his main research focus is on evolvable software architectures. His current research goal is to build upon systems theory to create the foundation for a unified theory of software architectures and evolvability.

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