

Lothar Thiele

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Computer Engineering and Networks Laboratory
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Professional Experience

1981 - 1986 Technical University Munich Munich, Germany
Research Assistant

- Student education in Network Theory
- Research projects in Network Theory and Computing
- Software and Hardware Design

1987 Stanford University Stanford, CA
Research Associate

- Member of Information Systems Lab., Prof. T. Kailath
- Research in Computing

1988-1994 University Saarland Saarbrücken, Germany
Full Professor

- Education in Microelectronics
- Dean of Electrical Engineering Department
- Leading numerous research projects, funded by various companies and research foundations
- Research in microelectronics and computer engineering

1990 NEC C&C Laboratories Tokyo, Japan
Leave of absence

- Parallel and distributed computing at the Computer and Communications Lab, Kawasaki

1991 IBM Research Yorktown Heights, NY
Leave of absence

- Software and hardware development at the T.J. Watson Research Center

from 1994 ETH Zurich Zurich, Switzerland
Full Professor

- Education in Computer Engineering
- Leading the Computer Engineering and Networks Lab (about 80 people)
- Leading numerous research projects, funded by various companies and research foundations such as KTI, EU FP6, EU FP7, SNF
- Contracts and research projects with national and international companies such as HP, ESEC, NetEngines, InAlp, IBM, BridgeCo, Siemens, Bosch
- Research in the areas of computer engineering, embedded systems, wearable and mobile computing systems, bio-inspired optimization methods
- Involved in large national and international research projects, such as ARTIST2 European Network of Excellence, SHAPES European

Integrated Project in FP 6, PREDATOR (FP7), COMBEST (FP7), Pro3D (FP7), EURETILE (FP7), CERTAINTY (FP7), NCCR-MICS Mobile Information and Communication National Research Program, Nano-Tera Research Program (X-Sense and OpenSense)

1999 Hewlett-Packard Palo Alto, CA

Leave of absence

- Software and hardware design at the HP Research Labs

Education

1963-1976 Various schools Aachen, Germany

- School education, final degree with distinction (best of year)

1976 Jury Superieur de Belgique Brussels, Belgium

- Final concert exam in piano (with grande distinction)

1976-1978 RWTH Aachen Aachen, Germany

- Studies in Electrical Engineering at the Technical University in Aachen

1971-1981 Technical University Munich, Germany

- Master in Electrical Engineering (with distinction, best of year)

1981-1984 Technical University Munich, Germany

- PhD (with distinction)

1984-1987 Technical University Munich, Germany

- Habilitation Thesis (venia legendi)

Major Awards

1977

- Studienstiftung des Deutschen Volkes

1986

- Award for the best PhD thesis

1987

- Outstanding Young Author Award of the IEEE

1988

- 1988 Browder J. Thompson Memorial Prize Award of the IEEE

2000

- IBM Faculty Achievement Award

2001

- IBM Faculty Achievement Award

2004

- Member of German Academy of Sciences Leopoldina

2005

- Recipient of the Honorary Blaise Pascal Chair of the University Leiden, The Netherlands

2009

- Member of the Foundation Board of Hasler Foundation, Switzerland

2010

- Member of Academia Europaea.

Varia

Professional Services

- Organization of several international conferences, member of steering boards (EMSOFT, FORMATS), member of program committees in major conferences, general chair of several conferences and workshops.
- Regular reviewing of large international research projects in various areas.
- Editorial board of several scientific journals such as VLSI Signal Processing, INTEGRATION, IEEE Trans. on Evolutionary Computation, IEEE Trans. on Industrial Informatics, Journal of Real-Time Systems, Journal of Systems Architecture.
- Member of several scientific organizations such as IEEE and ACM, partly with organizational duties such as chairing ACM SIGBED (special interest group on embedded systems).
- Head of evaluation committees of various Information Technology and Electrical Engineering departments in Germany.
- Over the years, various institutional services within the ETH Zurich, such as representing ETH Zurich in affairs related to Bologna treaty, leading evaluation committees, study director of Information Technology and Electrical Engineering department (D-ITET), member of Hochschulversammlung, member of research commission of ETH Zurich, member of planning commission of ETH Zurich, Vice-president of KdL.
- Since 2012: Head of Department D-ITET at ETH Zurich
- Member of Steering Committee of the ALARI Master of Embedded System Program at University Lugano.
- Member of the Foundation Board of Hasler Foundation, Switzerland.

Research Interests

- Optimization, bio-inspired techniques for multi-objective problems
- Models, methods and software tools for the design of embedded systems
- Design of mobile information and communication systems, including wearable computing and sensor networks
- Publish or Perish ("L Thiele", NOT "DL Thiele": bio,bus,eng): h-index 50.
- Further information about research and education:
<http://www.tik.ee.ethz.ch/~thiele/>

Private Data

- Date and place of birth: 7th of April 1957, Aachen, Germany
- Three children (1986, 1989, 1993)
- Married since 1982

Private Adress

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