

## **Prof. Dr.h.c. Prof.h.c. Hannu Tenhunen, Ph.D.**

### **1. Higher education degree(s)**

- M.Sc. in Electrical Engineering, 1982, Helsinki University of Technology, Finland, with majors in Electron Physics and Computer Engineering, minors in Solid State Physics, Theoretical Physics, and Mathematics. "Anomalous Properties of Silicondioxide and Chalcogenide Glasses", Master of Science Thesis (in Finnish), Helsinki University of Technology, August 1982, 151 p.

### **2. Doctoral degree (year, discipline/subject area, dissertation title, and supervisor).**

- Ph.D. in Electrical Engineering from Cornell University, Ithaca, NY, USA, in 1985 with major in Microelectronics and minor in Applied and Engineering Physics (Microfabrication). "Formation of Anodic Porous Silicon for Silicon-on-Insulator VLSI Structures", Supervisor: Professor Peter Krusius

### **3. Postdoctoral work (year and placement).**

- Acting Associate Professor of Electronics, Electronics Laboratory, Tampere University of Technology, Finland, Sept. 1985-June 1986
- Acting professor, Tampere University of Technology, 1986-88

### **4. Qualification/appointments as research fellow/associate professor (year).**

- Associate professor 1988, Tampere University of Technology
- Formally qualified by expert evaluators to multiple professor positions 1988-92 period
- Full professor (fulmakt professor) 1992 Royal Institute of Technology (KTH),
- Visiting professor, Cornell University, USA, 1998
- Honorary Doctor (Dr.h.c.) Tallinn Technical University, Estonia,
- Honorary professor, Fudan University, Shanghai, & Beijing Jiatong University, China,
- Adjunct professor, Chinese University of Hong Kong., 2001-2006, 2006-2011
- Research fellow at Turku Center for Computer Science, 2002
- Nokia Fellow, 2005
- Professeur Invite', Institut National Polytechnique de Grenoble, France, 2005
- Invited professor, University of Turku, Finland. 2006-2010
- Permanent Member of Academy of Engineering Sciences of Finland, 2009 forward

### **5. Specialist certification or equivalent**

- Docent, Tampere University of Technology, 1994 (Digital Systems), Helsinki University of Technology, 1999 (VLSI System Design), University of Turku, 2001 (Nanoelectronic systems).

### **6. Current position, period of appointment, share of time spent in research.**

- Professor (fulmakt professor, chair professor), Kungl Tekniska Högskolan/Royal Institute of Technology, Stockholm, Sweden, 1992 forward. (time spent on research: 70%)

### **7. Previous positions and periods of appointment.**

- Associate professor and acting professor, Tampere University of Technology, 1985-1991.
- Coordinator of National Microelectronics Program of Finland 1987-1991.
- Head of Laboratory, Digital Signal Processing Laboratory, Tampere University of Technology, 1988-1990
- Dean, School of Information Technology, Royal Institute of Technology, 2001-2005
- Invited professor of nanoelectronics, University of Turku, Finland, 2006-2010.
- Director of Turku Centre of Computer Science, Åbo Akademi University, Turku, Finland, 2006-2010.
- Professor Invite', Institute National Polytechnique de Grenoble (INPG), 2005-2006
- Invited visiting professor, Cornell University, Ithaca, NY, 1998
- Adjunct Professor, Chinese University of Hong Kong, China, 2006-
- Honorary professor, Fudan University, Shanghai, China
- Honorary professor, Beijing Jiatong University, Beijing, China
- Director of Education, European Institute of Innovation and Technology, EIT ICTlabs 2008-2012

## 8. Interruptions in research. Specify the reason(s) and give the time and dates of the interruption.

- On leave of absence from KTH between 2006-2010 to work as Director of TUCS, Finland, an interdisciplinary research and education center integrating different disciplines to its operations and providing three different distinct Masters and PhD degrees in engineering, natural sciences, and economics. He was also a director of the TUCS doctoral school with over 110 PhD students. Sabbatical year as prestigious Senior Individual Grant Holder, SSF, 2005

## 9. Individuals who have completed their doctoral degree under your supervision or postdoctoral period under your main supervision.

\* PhD graduates under my supervision. Individuals marked with @ have reached professor or associate professor status

(1) Jouni Isoaho @, 1994	(2) Jari Nurmi@, 1994	(3) Teppo Karema, 1994
(4) Tawfiq Lazraq, 1995	(5) Bengt Jonsson, 1999	(6) Bengt Oelmann @, 2000
(7) Henrik Olson, 2000	(8) Peeter Ellervee@, 2000	(9) Matias O'Nils@, 1999
(10) KalleTammemäe@, 1999	(11) Yonghong Gao, 2001	(12) Li-Rong Zheng@, 2001
(13) Imed ben Dahou@, 2002	(14) Andreas Gothenberg, 2002	(15) Li Li, 2004
(16) Li Bingxin, 2003	(17) Dinesh Pamunuwa@, 2003	(18) Steffen Albrecht, 2005
(19) Xinzhong Duo, 2005	(20) Meigen Shen, 2005	(21) Maxim Teslenko, 2008
(22) Adam Strak, 2006	(23) RoshanWeerasekera@, 2008	(24) Majid B-Nejad@, 2008
(25) Ethiopia Nigussie, 2010	(26) Sampo Tuuna, 2011	(27) Masoud Daneshtab, 2011
(28) Zou Zhuo, 2012	(29) Waqar Ahmed, 2013	(30) Amir Rahmani, 2012
(31) Alexander Yin, 2012	(32) Liang Guang, 2012	(33) Canhao Xu, 2012
(34) Yasar Amin, 2013	(35) Geng Yang, 2013	(36) Liang Rong, 2013
(37) Rajeev Kanth, 2013	(38) Khalid Latif, 2013	(39) Masoumeh Ebrahimi, 2013
(40) Moazzam Niazi, 2014	(41) Syed Jafri, 2014	(42) Awet Weldezion, early 2015
(43) Jue Shen, early 2015		

\* Post-docs starting in my laboratory after their PhD and who have reached docent or professor level positions:

(1) Prof. Doc. Ahmed Hemani (KTH),	(2) Prof. Doc. Elena Dubrova (KTH),
(3) Prof. Doc. Axel Jantsch (KTH, now TU Wien),	(4) Prof. Doc. Ana Rusu (KTH),
(5) Prof. Doc. Li-Rong Zheng (KTH),	(6) Prof. Adam Postula (Univ. of Brisbane),
(7) Doc. Assoc. Prof. Juha Plosila (UTU),	(8) Doc. Assoc. Prof. Pasi Liljeberg (UTU),
(9) Doc. Adj. Prof. Tiberiu Seceleanu (Principal Scientist, ABB Corporate Research and Mälardalen Högskolan).	(1) Prof. Sashi Kumar (Jonköping University)
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## 10. Pedagogic experience:

- Prof. Tenhunen was actively involved in the establishment of International Masters Programs at KTH and earlier in Finland, and has given lectures in over 40 different courses at graduate and post-graduate levels. He has established and directed multiple doctoral schools, and have been Director of Education for European Institute and Technology EIT ICTLabs 2008-2012. He has contributed to over 120 journal publications and book chapters, over 600 international reviewed conference publications, 9 international patents. He has cited over 5000 times.

## 11. Other information of importance to the application

- Prof. Tenhunen received prestigious Shanghai Mangolian Silver Award and Medal from City of Shanghai in 2014 for the contributions to develop Shanghai.
- For research publications see: <http://scholar.google.com/citations?user=yD591D4AAAAJ&hl=en> and [https://www.researchgate.net/profile/Hannu\\_Tenhunen](https://www.researchgate.net/profile/Hannu_Tenhunen)
- Google H-Index is 28 with 5280 citations and Research Gate RG Score is 35.54 and 4527 publication downloads from Research Gate.
- For detailed CV and education & research activities see: <http://web.ict.kth.se/~hannu/>.