

Curriculum Vitae: Jan Linnros

Personal Data and Current Employer

Name: **Jan Linnros**, born on November 3, 1953
Employer: Material and Nano Physics Dept, ICT School, KTH
Address: Electrum 229, 164 40 Kista, Sweden
Tel/Fax/E-mail: 08/790 4370 / 08/752 7782 / linnros@kth.se
Family: Married, two daughters, large poodle,



Academic Degrees

Master of Science: Chalmers University of Technology, School of Engineering Physics (Tekn fysik), Göteborg	1977
Ph.D., Chalmers University of Technology, Dept. of Physics Thesis title: Ion beam induced crystallization of silicon	1986
Docent, Solid State Electronics, KTH	1992

Post Doctor Position

Post Doctor (14 months), Bell Laboratories, Murray Hill, US	1986 - 87
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Current position at KTH

Appointed full professor at KTH in (permanent) Research part:	Oct 2001 >50 %
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Previous positions

Employed by Dept. of Electronics (1:e forskare),	1993-1997
Associate professor ('Universitetslektor')	1997 - 2001
Department head, Solid State Electronics	2000 – 2007
Visiting scientist, 2 months, ANU, Canberra	1991

Industrial and other Experience

Employed by ASEA, Division of Electronics	1977 - 79
Employed by the Institute of Microelectronics	1987 - 93

Parental leave

6 months in 1992, 3 months in 1994

Supervising of PhD students and postdocs

Fully supervised PhD students:

- 1998, Duan Mou, now at Ericsson (?)
- 2000, Nenad Lalic, now at Zaarlink
- 2004, Paulius Grivickas, now post-doc at Washington state University, US
- 2005, Robert Juhasz, post-doc: Imperial College, now: PGS Technology AB
- 2005: Xavier Badel, now at AWA Patent
- 2007: Ilya Sychugov, post-doc: NTT Japan, NIMS Japan, now ass prof KTH
- 2008: Niklas Elfström, now at a company in Zurich (Towers Perrin)
- 2012: Benjamin Bruhn, postdoc in Amsterdam

PhD students in progress:

- Fatemeh Sangghaleh, March 2010
- Yashar Hormozan, Feb 2011
- Roodabeh Afrasiabi, May 2010
- Miao Zhang, Apr 2012
- Federico Pevere, Feb 2013

Partial PhD students supervising: ~5

Supervised postdocs

Pascal Kleimann, Augustinas Galeckas, Torsten Schmidt, 2011 – now, Anna Fucikova, 2012 - now

Publications and academic output

Refereed Int. Journals/Conference Proceedings/patents	~200/1
h-index/total citations, Web of Science, Oct 2014, 176 papers	29/3278
h-index/total citations, Google Scholar, Oct 2014, 217 papers	34/4264
Supervising of PhD students/diploma works	~30
Invited lecturer, Enrico Fermi summer school of physics, Jul -98	
Invited lecturer, Nanotechnologies and nanoscience at UIMP, Valencia, 2003	
Invited lecturer, Science and Technology at Nanoscale, IUVSTA, Czechia, 2005	
Invited lecturer, Advanced materials and technologies, Palanga, 2007	
Invited talks since 2001	~35

Teaching activities

Director of undergraduate studies of IMIT department, KTH, 1998 – 2005
Coordinator of new master program in Nanoelectronics, 2005 - 2007
'Solid state electronics', 6p course for engineering school, 1995 – 1998
'Physics of electronic materials' 5p E-KTH, 4th year, 1996 – 1998
'Semiconductor devices', 4p E-KTH 3rd year (250 students) 2000 – 2001
'Nanoelectronics', 9hp, developed new course, 2005 –

Organisation of scientific meetings

- Organizer of ADOPT Winter school 2012, Romme Alpin
- Organizer of E-MRS-98 symposium B: "Light emission from Si" including main editor of proceedings in J. of Luminescence
- Organizer of E-MRS 2006 symposium D: "Silicon based photonics" including main editor of proceedings in J. of Luminescence
- Short courses organizer, IVC17 – ICNT..., Stockholm 2007
- Organizer of workshop: Silicon nanocrystals Science and Applications, Tossa 2014
- Organizer of workshop: Circulating tumor cells – Detection techniques and clinical relevance, Sandhamn/Stockholm 2014

Commissions of trust

- Member of the Steering Board of IMIT department, KTH, 1998-2005
- Member of the evaluation committee for >25 doctoral thesis
- Evaluator experience: Swedish Research Agency (VR), positions in Sweden
- Evaluator for Norwegian Research Council, 2014
- Institutional Research plan for Czech Republic, European project SMILE etc.
- Scientific advisor for Innova Light, Texas US, 2004-
- Referee for: Nature Materials, Nano Letters, Advanced Materials, J. Appl. Phys., Appl. Phys. Lett., E. Phys. Lett., Appl. Phys. A, IEEE Trans. Electron Devices, Electrochemical and Solid State Lett., MRS proc. etc
- PhD Opponent: Mid Sweden University, May 2008
- PhD Opponent: Linköping University, September 2013
- PhD Committee: Basel University,
- Coordinator: Vinnova Biosensor project, 2008 – 2011, 10.95 MSEK budget
- Coordinator: SSF Multifunctional pore arrays, 2009 – 2014, 19.30 MSEK budget
- Coordinator: K A Wallenberg, Detection of circulating tumour cells, 2012 – 2016, 33 MSEK budget
- Member of Editorial Board for Nanotechnology journal (IOP), 2013 -

Entrepreneurial achievements

- Winner Venture cup 2006, part 1 (with Xavier Badel, Bo Hammarlund)
- Cofounder (2006) of a startup company 'Scint-X', based on an X-ray scintillating screen imaging detector for which we hold a patent. Now 6 employees.
- Cofounder (2011) of a startup company 'Spinn-Y', company based on the invention of an electron spin filter.
- Scint-X AB, board member, 2007 – 2011