

## Short CV for Erik V Thomsen (1964)

### Degrees:

1998: *Ph.D., DTU, DK.*

1992: *M.Sc. Physics & Chemistry, University of Southern Denmark (SDU), DK.*

*Further training: Courses in project management (IBM), leadership (SEB), teaching & didactics (DTU)*

### Positions:

2008-present: *Docent, Prof, DTU Nanotech, DTU, DK.*

2001-2007: *Assoc. Prof, DTU Nanotech, DTU, DK.*

1996-2001: *Project leader, research assistant, process developer.*

### Research Area:

Application of micro and nanotechnology for sensors, actuators and small scale energy systems. Research topics and activities are within the fields of bio-medical technology (electronic patches for wireless on the body measurements), MEMS sensors (optical and capacitive sensors), energy harvesting (based on piezo electric materials or electrets), miniature fuel cells and nano & micro fabrication.

### Distinctions and awards:

*1995 AEG Electron Prize, 2002 "Teacher of the Year" prize at DTU, 2007 "Best Physics and Nano technology Teacher 2007" at DTU*

### Memberships of scientific committees, review:

*Assessment Committee for Vestfold University College, Norway, 2007, Evaluator for the Teaching Evaluation Exercise, Aalto University, Helsinki, 2011*

*Reviewer for 3 Int. Journals; Ext. examiner, Opponent, etc. for 3 thesis.*

**Recent publications (2004-):** *47 ISI indexed publications; 2 patents.*

### Supervision:

I have supervised 4 post docs, 15 PhD students, 38 master students, 45 bachelor students and more than 80 special course students.

### Grants, 2005 - present:

2006-2009: *PiMEMS (HTF), [PI], 15 MDKK/2.5MDKK*

2006-2009: *Electronic Patch (DTU), [PI], 1.5 MDKK/1.5MDKK*

2007-2009: *Electronic Patch (Innovationskonsortie, MVTU), [co, WP leader], 11MDKK/2.5MDKK*

2007-2009: *Sensors for Fisheries Research (Globaliseringsfonden), [PI, WP leader], 2MDKK/2MDKK*

2008-2011: *Capacitive Pressure Sensors (Grundfos), [PI], 0.75 MDKK/0.75MDKK*

2008-2011: *Optical Transducer Systems (HTF), [co], 12.3 MDKK/2.64MDKK*

2009-2012: *ELBA Eliminating Batteries (HTF), [PI], 12.3 MDKK/2.64MDKK*

2010-2013: *MicroPower (HTF), [co, WP leader] 15.0 MDKK/3.5MDKK*

2010-2013: *Energy harvesting device with polymer electret for wireless electronic devices (FTP), [co], 3.9 MDKK/3.9 MDKK*

2010-2014: *NIRS Systems for Tissue Oximetry (MVTU), [PI], 2.4 MDKK/2.4 MDKK*

**Research collaboration with industry, 2005 - present:** DELTA, Coloplast, Silicide, SOS international, Systematic, Tunstall, Teknologisk Institut, Widex, Vestas, InSensor, Ferroperm/Meggitt, Grundfos, Ibsen Photonics, DPA Microphones, Brüel & Kjær Sound and Vibration Measurements, JJ X-Ray. This list is not exhaustive.