Professor, head of department Peter Sestoft, Date of birth: 25 June 1962

Education: 1991 PhD; 1987 MSc CS; 1984 BSc CS & Maths – all from University of Copenhagen, Denmark.

Current Positions:

2017- Head of Department of Computer Science IT University of Copenhagen (ITU)
2008- Professor, IT University of Copenhagen

Current honorary Positions:

2016 - Member of national industrial PhD and postdoc grant committee

Past employment:

1999-2007 Associate Professor, IT University of Copenhagen
2002-2007 Professor MSO, Royal Veterinary and Agricultural University, Denmark
1995-2002 Associate Professor, Royal Veterinary and Agricultural University, Denmark
1992-1995 Assistant Professor, Technical University of Denmark

Selected grants:

2020 PMI-AD, EU Joint Programme – Neurodegenerative Disease Research (24 MDKK), PI Tormod Fladby, Co-PI
2019 MATRIX, Novo Nordisk Foundation (60MDKK), PI Lars Hestbjerg, Co-PI
2016 Dementia Modelling (DEMO), H2020-MSCA-ITN-2016, (€ 85.3451), PI

Teaching:

I have been teaching and supervising students at all levels since 1992. Major accomplishments have been in contribution to the start of the IT University in 1999, and especially defining and heading its first BSc program (in Software Development) 2006-2010. As head of the Computer Science Department, I have overseen the introduction of the BSc Data Science, MSc Computer Science and MSc Software Design programs.

Supervision:

Supervised 165 MSc students since 2001 and 57 BSc students since 2010, supervised 9 graduated PhD students, and co-supervised a further 4.

Research profile

My early career was focused on program analysis and program transformation, including partial evaluation where I contributed to major breakthroughs in self-applicable program transformers. Subsequently I have worked with formal specification languages and tools, the description and implementation of functional and object-oriented programming languages (including the simplest precise description of lazy evaluation in functional languages), parallel programming on modern hardware, and radically improved support for end-user (domain expert) programming tools.

Bibliometric Overview:
Approximately 50 peer-reviewed publications, including multiple substantial books; see my Google Scholar account https://scholar.google.com/citations?user=qz1BCu8AAAAJ&hl=en&oi=ao
Google Scholar indicates H-index as 24 and number of citations as 5091.

Furthermore, please indicate the total number of publications within the following categories: articles, monographs, book chapters, proceedings, other:

	Articles (Peer reviewed)	Internationl monographs	Book chapters	Proceedings (peer reviewed)	Other
Total:	12	6 + PhD thesis	2	26	6

5 Selected Publications:

1. N.D. Jones, C.K. Gomard, and P. Sestoft. Partial Evaluation and Automatic Program Generation. Englewood Cliffs, NJ: Prentice Hall, 1993. 415 pages.

2. P. Sestoft. Deriving a lazy abstract machine. Journal of Functional Programming, 7(3):231–264, May 1997.

3. P. Sestoft. Spreadsheet Implementation Technology. Basics and Extensions. MIT Press, 2014. 325 pages.

4. P. Sestoft. Java Precisely. MIT Press, third edition, March 2016. 199 pages.

5. A. Bock, T. Bøgholm, P. Sestoft, B. Thomsen, L. Leth Thomsen: On the semantics for spreadsheets with sheet-defined functions. Journal of Computer Languages, Volume 57, April 2020, 100960.