

# CURRICULUM VITAE FOR PER CHRISTIAN HANSEN

**Professor Per Christian Hansen** has worked with numerical regularization algorithms for 30 years, and he has published 4 books and 100+ papers in leading journals. He has developed a number of software packages, such as REGULARIZATION TOOLS and AIR TOOLS II for inverse problems and computed tomography. His current research focuses on uncertainty quantification for inverse problems. His H-INDEX is 53 and he is a SIAM fellow in recognition of his work on inverse problems and regularization.

**Title:** Professor in Scientific Computing, Villum Investigator.

**Born:** July 9, 1957 in Nyborg, Denmark. Citizenship: Danish.

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## Degrees

- 1982: M.Sc. in Electrical Engineering.
- 1985: Ph.D. in Numerical Analysis.
- 1996: Dr.Techn. in Numerical Analysis.

## Employments

- 1985–1988: Research Associate at the Astronomical Observatory, University of Copenhagen.
- 1988–1996: Associate Professor at UNI•C.
- Since 1996: Professor at DTU Compute.

## Research Visits Abroad

- 1986: Department of Computer Science, Stanford University.
- 1988: Department of Mathematics, Oak Ridge National Laboratory.
- 1989: Dept. of Mathematics, UCLA.
- 1990: Mathematics and Computer Science Division, Argonne National Laboratory.
- 1992: University of California, Berkeley.
- 2004: Department of Mathematics and Computer Science, Emory University, Atlanta.
- 2020: National Institute of Informatics, Tokyo, Japan.

## Awards

- 1990: BIT Prize for distinguished paper on numerical analysis in the journal BIT.
- 1994: Statoil Prize in recognition of the work in numerical analysis.
- 2005: ISI Web of Knowledge award as most cited Danish mathematician.
- 2015: SIAM Fellow in recognition of contributions to algorithms for rank-deficient and discrete ill-posed problems and regularization techniques.

## Professional Memberships

- SIAM, Society for Industrial and Applied Mathematics (USA).
- Danish Academy of Technical Sciences.
- Danish Academy of Natural Sciences.

## Publications

- 5 books and 1 edited book.
- 119 papers in refereed journals.
- 58 conference papers etc.

## Research Grants Since 2012

- Villum Fonden: Villum Investigator project “CUQI” – 34.900.00 DKK
- ERC Advanced Grant “HD-Tomo” – 16.000.000 DKK
- DFF-FNU Improved Impedance Tomography – 6.500.000 DKK
- Innovation Fund Denmark: Nano-Scale Design Tools – 1.500.000 DKK
- H C Ørsted COFUND Postdoc (Jürgen Friel) – 800.000 DKK
- EuroTech COFUND Postdoc (Bart van Lith) – 800.000 DKK