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Education

- MScEng (cand. polyt., civilingeniør) specializing in atomic and nuclear physics, Department of Electrophysics, Technical University of Denmark, supervisors: Professor P. L. Ølgaard and Assistant Professor Anders Damkjær, January 1978.
- PhD specializing in multivariate statistics and image analysis, Department of Mathematical Modelling, Technical University of Denmark, supervisor: Professor Knut Conradsen, December 1994.

Employment

- Military service with the Danish Defence Research Establishment, November 1977-July 1978.
- Research Assistant at the Thermal Insulation Laboratory, Technical University of Denmark, 1978-1985.
- Research Assistant/Associate Research Professor at Institute of Mathematical Statistics and Operations Research, Technical University of Denmark, 1985-2001 (including a period from January 1995 to December 2001 as part time acting Professor, substitute for Professor Knut Conradsen, then Provost/Deputy Rector of the Technical University of Denmark).
- Associate Professor of geoinformatics at the Department of Informatics and Mathematical Modelling, IMM, Technical University of Denmark, 2001-2006.
- Associate Professor of geoinformatics at DTU Space – National Space Institute, Technical University of Denmark, 2007-2013.
- Associate Professor at DTU Compute – Department of Applied Mathematics and Computer Science, Technical University of Denmark, 2013-present.

Research

My primary research interests are development and use of mathematical and statistical methods and algorithms, machine learning and artificial intelligence including computer implementation with real-world applications of multi- or hyper-variate, spatial, multi-temporal/multi-set/multi-source data in real-life applications, often with (big) geodata.

External Research and Tasks

- Visiting scholar at University of California Berkeley, Lawrence Berkeley Laboratory, Applied Science Division, December 1985.
- Guest scientist at DLR (Deutsche Forschungs- und Versuchsanstalt für Luft- und Raumfahrt), Institut für Optoelektronik, Oberpfaffenhofen, Germany, three months in 1993-1994.
- Visiting scholar at University of Oxford, Department of Statistics, February-August 2006.
- Fellowship at DLR (German Aerospace Center), Earth Observation Center, Oberpfaffenhofen, Germany, three months in 2012-2013.
- Reviewer for several top international journals including IEEE TGRS, IEEE JSTARS, IEEE TIM, Remote Sensing of Environment, and conferences including IEEE IGARSS.
- Member of Programme Committees of several top international conferences and workshops, including IEEE MultiTemp, SPIE ERS, EARSeL, and ESA BiDS.
- Invited as one of a dozen European experts to ESA/ESRIN Φ -lab workshop on AI4EO (Artificial Intelligence for Earth Observation), March 2018.
- Danish national representative of the EARSeL Council (European Association of Remote Sensing Laboratories) since 2018.

Publications and Talks

- Peer reviewed papers in international journals: 41, peer reviewed papers in proceedings: 169, technical reports: 57.
- In addition to participating in international conferences, workshops etc., since late 1996 I have given more than 100 talks all over the world, several talks invited.
- [Google Scholar](https://scholar.google.com/citations?user=alan@dtu.dk), citations: 3583, h-index: 24, i10-index: 51.
- Web of Science, citations: 1584, h-index: 15.