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# Torben Krogh Mikkelsen

Sep. 18. 2018

**Position:** Professor in Remote Sensing for Wind Energy  
**Title:** Professor



**Present Affiliation:** Technical University of Denmark, DTU Wind Energy,  
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## VITAE

**Born:** August 21. 1951  
**Education:** 1975 B. Sc. Copenhagen Engineering College - Electronic Engineering  
1978 M.Sc. Technical University of Denmark - Electro Physics  
1983 Ph.D. Technical University of Denmark - Atmospheric Turbulence and Diffusion

## APPOINTMENTS

1978- Scientific Staff, Meteorology Section, Risø National Laboratory  
1980 Visiting Scientist, Oregon State University, USA  
1985-1986 Adjunct Research Professor of Meteorology, Naval Postgraduate School,  
Monterey, CA, USA  
1987 Scientific Staff, Wind Energy and Atmospheric Physics Department, Risø  
1993 Senior Scientist, Risø  
2000-2005 Employees representative at Risø National Laboratory's Board of Governors  
2001- Senior Research Specialist, Risø National Laboratory  
2003- Research leader for Remote Sensing and Atmospheric Dispersion  
2007- Project leader for WindScanner, Risø & Lyngby DTU  
2009-2013 Coordinator for [WindScanner.dk](http://WindScanner.dk), Risø DTU National Research Infrastructure.  
2010-2013 Coordinator for Integration of Wind Lidars In Wind Turbines for Improved  
Productivity and Control, The Danish National Advanced Technology Foundation.  
2011- Professor in Remote Sensing for Wind Energy, DTU Wind Energy.  
2012- Scientific Lead: [WindScanner.eu](http://WindScanner.eu), EU ESFRI Research Infrastructure  
2013- Team leader: WindScanner Research and Innovation group.

## GRANTS

2007-2009 EU FP6 DETECT Nuclear Safety  
2008-2010 EU FP7 NorseWind.eu WP3  
2007-2011 DTU Globalisation Fund: 3-D lidar wind and turbulence scanner system 18 M DKK  
2009-2013 FI (Danish Research Council) "WindScanner.dk" research infrastructure 25 M DKK  
2010-2013 Danish National Advanced Technology Foundation Wind Lidar Integration 25 Mill. DKK  
2012-2015 [WindScanner.eu](http://WindScanner.eu) - The European WindScanner facility. EU ESFRI RI 32 M DKK

**Homepages:** [Home Page w/ Publication Lists](#); [WindScanner.dk](http://WindScanner.dk); [WindScanner.eu](http://WindScanner.eu); [ORCID 0000-0002-5428-856X](https://orcid.org/0000-0002-5428-856X)

### Scientific Research Instrument Development:

Risø DTU full-scale 3-D Lidar wind and turbulence Wind scanner systems (2007); Research Infrastructure based on short and long-range 3D Wind Scanners (2009); DTU SpinnerLidar: wind turbine integrated wind lidars for improved wind turbine control (2010); Lidic's (2012), Wireless Microphone Network (2015); Robot arm scanning Lidic (2016); Drone-based atmospheric temperature profiler (2017).

### Principal Investigator (PI) for National and International Experimental Investigations

AMADEUS Wind & Diffusion Ex. CA '87; GUARDO Diffusion Ex. E '90; MADONA UK '91; BOREX '92-93; Borsele NL '94; BOREX '95; <sup>41</sup>Ar-Mol BE '01; MusketeerEx '07-08; Tjæreborg SpinnerEx '09; Risø MET-Mast LidarEx '09; WindScanner: Complex Terrain Flow over Bolund Hill Ex. '11; Norwegian Rescue Helicopter Downwash '12 & '13; WindScanner spectra and coherence measurements; Lysefjordbrua, Norway, 2014; EU MARINET Nenuphar 2015.

**Publications at DTU's home pages and on ResearchGate:** [Home Page w/ Publication Lists](#): Article in Journal (114) Academic Dissertation (2) Book (20) Conference (218) Report (46) MISC (9) PATENT (3) Peer Reviewed (136); [ResearchGate](#).

### Associate Editor:

[Journal of Renewable and Sustainable Energy](#), American Institute of Physics (AIP).

### Citations, biometrics and H-index:

Web of Science: <a href="https://orcid.org/0000-0002-5428-856X">ORCID 0000-0002-5428-856X</a>	Total Publications: 99	Citations: 1426	h-index: 21
Research Gate:	RG score 34.49	Citations 2490	h-index: 28
Google Scholar:		Citations 3937	h-index: 33

### Patents:

- Mikkelsen, T., J. Mann and M. Nielsen (2008) "Rotating Prism Scanning Device and a Method for Scanning".
- Mikkelsen, T., Dellwik, E., Kristensen, L., Mann, J. (2012) "A System and a Method for Measuring Velocity in a Fluid".