

**Name: Agnar Holten Sivertsen**

**Present position** Scientist  
**Work address** Nofima Marine, Po Box 6122, NO-9291 Tromsø, Norway  
**Telephone** +47 77 62 92 15  
**E-mail** [agnar.holten.sivertsen@nofima.no](mailto:agnar.holten.sivertsen@nofima.no)

**Degrees**

2006-today Phd. student in statistics. Working title: Multiscale methods applied to automatic fish fillet inspection.  
1997-2002 Master of science in applied physics, University of Tromsø.

**Experience**

2006-today Phd. Student in statistics.  
2002-today Scientist, Fiskeriforskning.  
2001 Kongsberg Spacetec.

**Present research activities and fields of interest**

Hyperspectral imaging applied to automatic fillet inspection.  
Design and prototyping of optical systems.  
Pattern recognition, image processing and multiscale methods.  
Hyperspectral image analysis.  
Fluorescence spectroscopy as a rapid method for prediction of lipid oxidation in cod and saithe.

**Selected publications****Reports**

2006 Sivertsen, A.H. & Heia, K. & Nilsen, H. **On-line sortering av filet. Anvendelse av avbildende spektroskopi.** 12/2006 Mars 2006.  
2004 Nilsen, H. & Sivertsen, A.H. & Heia, K. & Wold, J.P. & Mevik, B.H. & Lundby, F. **Deteksjon av kveis - ny teknologi fram mot kommersiell utnyttelse. Statusrapport, mai 2004.** Mai 2004.  
2003 Sivertsen, A.H. & Heia, K. **Måling av fyllingsgrad i legger fra kongekrabber.** 18/2003 Desember 2003.

### Peer-reviewed journals

- 2007 Heia, K. & Sivertsen, A.H. & Stormo, S.K. & Elvevoll, E.O. & Wold, J.P. & Nilsen, H. **Detection of Nematodes in Cod (*Gadus morhua*) Fillets by Imaging Spectroscopy**. *Journal of Food Science*, 2007, Vol. 72, Nr. 1, 2007, Pages E11-E15.
- 2007 Stormo, S. K., A. H. Sivertsen, K. Heia, H. Nilsen and E. Elvevoll. 2007. **Effects of Single Wavelength Selection for Nematode Detection through Multi Spectral Imaging**. *J. Food. Prot.* AKSEPTERT FOR PUBLISERING.
- 2006 Sivertsen, A.H. & Lauritzsen, K. & Veberg, A. & Wold, J. **Rapid assessment of storage quality of cliff-fish from saithe by fluorescence spectroscopy**. In: J.B. Luten, C. Jacobsen, K. Bekaert, A. Sæbø, J. Oehlenschläger, (eds.) "Seafood from fish to dish, Quality, safety and processing of wild and farmed fish". ISBN-10: 90-8686-005-2 ISBN-13: 978-90-8686-005-0. Wageningen Academic Publishers, 2006, pp. 119-126.

### Selected presentations

#### Conference papers

- 2007 Agnar H. Sivertsen, Chih-Kang Chu, Lih-Chung Wang, Fred Godtliebsen, Karsten Heia and Heidi Nilsen. **Ridge detection with application to automatic fish fillet inspection**. Presented at the 37th WEFTA meeting 24-26 October 2007, Lisboa, Portugal.
- 2005 Sivertsen, A.H. & Lauritzsen, K. & Wold, J.P. & Veberg, A. **Rapid and non-destructive measurement of lipid oxidation in cliff-fish from saithe**. Presented at the 35th WEFTA meeting 19-22 September 2005, Antwerp, Belgium.