

	Name:	Lasse U. Svenningsen
	Date of birth:	April 22, 1978
	Nationality:	Danish
	Profession:	Wind Energy Consultant / Scientific Researcher, EMD International A/S
	Education:	Ph.D. Geophysics, Aarhus University
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Education

Time period	Content	Place
2007	Ph.D. in Geophysics Thesis within geophysical inverse modeling (theory of model optimization) with applications within passive source seismology. Project work included also extensive field measuring campaigns in southern Norway.	University of Aarhus, Denmark

Employment Record

Time period	Title	Place/company	Description
2008-	Wind Energy Consultant/ Scientific Researcher	EMD International A/S, Aalborg, Denmark	Development and test. Development and test of new features/modules in the WindPRO software, in particular related to calculation of uncertainties and site compliance (IEC) and general model improvements. Consultancy. Due diligence, energy calculations and environmental impact studies in several parts of the world (Denmark, Poland, Germany, Sweden, Baltica, Romania and Kenya). Teaching WindPRO. Workshop instructor at Basic and Advanced courses (in house / external) Hotline support. Worldwide hotline/email support of WindPRO users.
2007-2008	Wind & Site Engineer	Suzlon Energy A/S, Wind & site Competence Center	Turbine suitability (IEC) Wind climate load calculations, but also production estimation. Many projects analyzed around the world, but mainly southern Europe, USA and China. Support and training Internal support and training of Wind & Site Engineers in all international subsidiaries.

EMD International A/S

			Improvement of methods, procedures and documentation.
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Publications / Articles

Svenningsen, L. , Thøgersen, M.L. & Langreder, W., 2010, An Index-like correction to reduce uncertainty of extreme wind estimates from short time series, EWEC 2010 conference proceeding.
Svenningsen, L. , 2010, Proposal of an improved power curve air density correction, EWEC 2010 conference proceeding.
Langreder, W., Højstrup, J. & Svenningsen, L. , 2009, The Good, the Bad and the Ugly Extreme Wind, EWEC 2009, conference proceeding.
Langreder, W., Højstrup, J. & Svenningsen, L. , 2009, Extreme Wind Estimates with Modest Uncertainty - a Contradiction?, AWEA 2009, conference proceeding.
Nielsen, S.B., Gallagher, K., Leighton, C., Balling, N., Jacobsen, B.H., Thomsen, E., Svenningsen, L. , Nielsen, O.B., Heilmann-Clausen, C., Egholm, D.L., Summerfield, M.A., Clausen, O.R., Piotrowski, J.A., Thorsen, M.R., Huuse, M., Abrahamsen, N., King, C., Lykke-Andersen, H. 2008, The evolution of western Scandinavian topography: A review of Neogene uplift versus the ICE (isostasy-climate-erosion) hypothesis, Journal of Geodynamics.
Jacobsen, B. H. & Svenningsen, L. , 2008, Enhanced Uniqueness and Linearity of Receiver Function Inversion, Bulletin of the Seismological Society of America, 98, 4, 1756-1767.
Svenningsen, L. , Jacobsen, B.H. 2007, "Absolute S-velocity estimation from receiver functions", Geophysical Journal International (Fast Track), 170, 1089-1138.
Svenningsen, L. , Balling, N., Jacobsen, B.H., Kind, R., Wylegalla, K., Schweitzer, J. 2007, "Crustal root beneath the highlands of southern Norway resolved by teleseismic receiver functions", Geophysical Journal International, 170, 1129-1138.
Svenningsen, L. , Jacobsen, B.H. 2004, "Comment on "Improved inversion for seismic structure using transformed, S-wavevector receiver functions: Removing the effect of the free surface" by Anya Reading, Brian Kennett, and Malcolm Sambridge", Geophysical Research Letters, 31, 24609-24609.

Software Abilities

Program	Level
WindPRO	Expert user
WAsP	Certified user
WAsP Engineering	User of (attended course)
WindSIM CFD software	User of (attended course)
Matlab	Expert user/programmer in (test/development)
Spreadsheets	Expert user
Fortran 90	Experienced user
Assorted office related software	Standard user

Language Skills

Language	Speaking	Reading	Writing
Danish	Mother tongue	Mother tongue	Mother tongue
English	Excellent	Excellent	Excellent
German	Good	Good	Good
Swedish	Good	Good	Good
Norwegian	Good	Good	Good

Awards (selected)

DONG's Jubilæums Legat (Anniversary scholarship)
"Best paper", Student Author Award, Geophysical Journal International
1 month stay/internship at Husky Energy & University of Calgary, Canada, financed by the Danish Energy Agency