

Fannar Örn Thordarson, M.Sc.

Curriculum Vitae

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Personal Information

- I am born in Iceland
- I am born on the 17th of April 1980. Lived most of my life in Iceland. From August 2004 I have been living in the Copenhagen area with my wife and children.
- I am married to Berglind Ósk Einarsdóttir, Art teacher, and we have 3 boys.
- I am athletic and I don't smoke.
- Away from work my family comes first. My hobbies are sports (mainly football, volleyball and golf), traveling and literature.

Education

- **Technical University of Denmark, DTU-IMM** 2004-2007
M.Sc. in Engineering (Applied Mathematics), February 2007
Specialization in Probability and Statistics, Optimization
GPA: 9.3/Danish scale
- **University of Iceland** 2000-2004
B.Sc. in Engineering, October 2004
Specialization in Mechanical and Industrial Engineering
GPA: 6.5/10

Publications

M.Sc. Thesis:

- Fannar Örn Thordarson, *Optimal combined wind power forecasts using exogenous variables*, Informatics and Mathematical modelling, Technical University of Denmark, DTU, 2007.
 - The objective is to attain estimated weights for combined wind power prediction by conditioning the weights on one or more meteorological forecasts. Various methods for combining forecasts are introduced where a linear regression is considered for the combination model. By using locally fitted weights to detect information from the meteorological forecasts, air density and turbulent kinetic energy are extracted. The parameters in the combination model are then conditioning on the two forecasts, which gives an improvement for large prediction horizons.

Articles:

- *Optimal combined wind power forecasts using exogenous variables*

Submitted to Wind Energy in December 2008.

Employment

- **Research Assistant in Applied Statistics** March 2007 - September 2007
Technical University of Denmark, DTU-IMM
 - Article writing, book revising and pre-investigation for modeling groundwater flow with grey box approach.
 - Worked from March 1st 2007 to September 30th 2007.
- **Kindergarten Teacher** September 2003 - July 2004
The kindergarten Gardaborg
 - Educating and entertaining the children.
 - Worked from September 1st 2003 to July 15th 2004 along with finishing my B.Sc. education.
- **Summer Employee** May 2002 - August 2002
University of Iceland, Science Institute
 - Designed and assembled a primitive thermally managed hydrogen storage, based on the idea of storing the hydrogen in metal-hydrides that recharged and discharged the hydrogen by cooling and heating, respectively.
- **Summer Employee** 1997 - 2002
Formax Ltd
 - Worked as a mechanic, both in manufacturing and installing process equipment for the food industry. I spent part of the summer 2002 at the engineering department where I designed conveyors for the industry.
 - An employee every summer and vacation from 1997 to 2002.

Skills

Languages:

- *Icelandic*: Native
- *English*: Fluent
- *Danish*: Fluent
- *German*: Some German - mainly reading

Operating Systems: UNIX/LINUX, Windows 95/98/NT/2000/XP/Vista.

Programming: Java, C/C++, Matlab, Maple, S-plus/R, \LaTeX

CAD/CAM: Autocad, SolidWorks

Applications: Windows Office, openOffice, starOffice.

References

Available by request.