Publications by Martin Vermeer

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A Peer-reviewed scientific articles

1. Martin Vermeer (1990). Orbit integration with perturbing force interpolation from an OSU86F-based half-degree grid of geopotential partials. *Manuscripta geodaetica*, 15:83-96.

2. Martin Vermeer (1991). Observable quantities in satellite gradiometry. *Bulletin Géodésique*, 64:347-361.
`http://www.springerlink.com/content/x2436j6074255376/fulltext.pdf`.

3. Balmino, G., Barriot, J., Koop, R., Middel, B., Thong, N., and Martin Vermeer (1991). Simulation of gravity gradients; a comparison study. *Bulletin Géodésique*, 65:218-229.
`http://www.springerlink.com/content/r662464342026217/fulltext.pdf`.

4. Martin Vermeer (1992). A frequency domain approach to optimal geophysical data gridding. *Manuscripta geodaetica*, 17:141-154.

5. Martin Vermeer and Forsberg, R. (1992). A generalised Strang van Hees approach to fast geopotential inversion. *Manuscripta geodaetica*, 17:302-314.

6. Martin Vermeer and Forsberg, R. (1992). Filtered Terrain Effects: A frequency domain approach to terrain effect evaluation. *Manuscripta geodaetica*, 17:215-226.

7. Martin Vermeer (1995). Mass point geopotential modelling using fast spectral techniques; historical overview, toolbox description, numerical experiment. *Manuscripta geodaetica*, 20:362-378.

8. Poutanen, M., Vermeer, M. and Mäkinen, J. (1996). The permanent tide in GPS positioning. *Journal of Geodesy*, 70(8):499-504.

9. Martin Vermeer (1996). Some simulated noise inversion studies of satellite geopotential missions involving criterion functions in the frequency domain. *Journal of Geodesy*, 70:397 409.
`http://www.springerlink.com/content/u27x076468127156/fulltext.pdf`

10. Martin Vermeer (1997). The precision of geodetic GPS and one way of improving it. *Journal of Geodesy*, 71:240 245.

11. Martin Vermeer (1998). Regularization constraints in mass point grids and their relation to gravity field stochastics. *Physics and Chemistry of the Earth*, 23(1):13-18. `http://www.sciencedirect.com/science/article/pii/S0079194697002358`

12. Scherneck, H.-G., Johansson, J. M., Vermeer, M, Davis, J. L., Milne, G. A., and Mitrovica, J. X. (2001). BIFROST project: 3-D crustal deformation rates derived from GPS confirm postglacial rebound in Fennoscandia. *Earth Planets and Space* 53(7): 702-708. ISSN 1343-8832.
http://www.terrapub.co.jp/journals/EPS/pdf/2001/5307/53070703.pdf.

13. Milne, G., Davis, J., Mitrovica, J. X., Scherneck, H.-G., Johansson, J., Martin Vermeer, and Koivula, H. (2001). Space-Geodetic Constraints on Glacial Isostatic Adjustment in Fennoscandia. *Science*, 291:2381-2385. http://www.sciencemag.org/cgi/reprint/291/5512/2381.pdf.

14. Martin Vermeer (2002). Ideas on a consistent conceptual framework for tidal reductions for gravity, geopotential and positioning. In IMG-2002 Instrumentation and Metrology in Gravimetry, October, 28.-30, 2002 Luxemburg, pp 83–87. The European Center for Geodynamics and Seismology (ECGS).

15. Scherneck H -G., Johansson J M., Elgered G., Davis J L., Jonsson B., Hedling G., Koivula H., Ollikainen M., Poutanen M., Vermeer M., Mitrovica J X., Milne G A. (2002). BIFROST: Observing the Three-Dimensional Deformation of Fennoscandia. Pages 69–93, Jerry X. Mitrovica and Bert Vermeersen, editors, *Ice Sheets, Sea Level and the Dynamic Earth*. ISBN 9780875905310. AGU Geodynamics Series 29. http://www.agu.org/books/gd/v029/GD029p0069/GD029p0069.shtml.

16. Martin Vermeer (2003). The elusive stationary geoid. *Space Science Reviews* 108 pp. 283-292.

17. Johansson, J.M., Davis, J.L., Scherneck, H.-G., Vermeer, M., Mitrovica, J., Bennett, R., Jonsson, B., Elgered, G., Elosequi, P., Koivula, H., Poutanen, M., Rönnäng, B., and Shapiro, I. (2003). Continuous GPS measurements of postglacial adjustment in Fennoscandia: 1. Geodetic results. *Journal of Geophysical Research*, 107 (B8). DOI: 10.1029/2001JB000400.
http://www.agu.org/journals/jb/jb0208/2001JB000400/2001JB000400.pdf.

18. Milne, G. A., Mitrovica, J. X., Scherneck, H.-G., Davis, J. L., Johansson, J. M., Koivula, H., and M. Vermeer (2004). Continuous GPS measurements of postglacial adjustment in Fennoscandia: 2. Modeling results. *Journal of Geophysical Research*, 109 (B2). DOI: 10.1029/2003JB002619. http://dro.dur.ac.uk/2098/1/2098.pdf?DDD15+dgl5gw.

19. Martin Vermeer and Mauri Väisänen (2006). Geodetic Baseline GPS Processing by a Simple Sequential Technique. Proceedings, IoN GNSS2006, Fort Worth, 26-29 September 2006.

20. Martin Vermeer and Karin Kollo (2007). Aspects of error propagation in modern geodetic networks. Proceedings, Int. Symposium on Spatial Data Quality, 13-15 June 2007, Enschede, The Netherlands. http://tinyurl.com/55m4pe.

21. Martin Vermeer and Kollo, K. (2007): Geoid precision from limited-area gravimetric surveys. *Geodesy and Cartography*, Vol XXXIII Nr. 1, Vilnius Gediminas Tech. U., ISSN 1392-1541. https://info.vgtu.lt/upload/geod_zurn/p3-8.pdf

22. Martin Vermeer (2008). Temperature and water vapour profiling by carrier phase GNSS observables on board a radiosonde. *Geophysica* 44, 1-2, pp. 15-29. http://www.geophysica.fi/pdf/geophysica_2008_44_1-2_015_vermeer.pdf

23. Martin Vermeer and Rahmstorf, S. (2009). Global sea level linked to global temperature. *Proceedings Nat. Acad. Sci.* http://www.pnas.org/content/early/2009/12/04/0907765106.full.pdf.

24. Petri Rönnholm, Milka Nuikka, Antti Suominen, Panu Salo, Hannu Hyyppä, Petteri Pöntinen, Henrik Haggrén, Martin Vermeer, Jari Puttonen, Hannu Hirsi, Antero Kukko, Harri Kaartinen, Juha Hyyppä and Anttoni Jaakkola (2009). Comparison of measurement techniques and static theory applied to concrete beam deformation. *The Photogrammetric Record*, 24(128) pp. 351-371.

25. Karin Kollo and Vermeer, M. (2010). Lithospheric Thickness Recovery from Horizontal and Vertical Land Uplift Rates. *Journal of Geodynamics* 50(1):32-37. http://dx.doi.org/10.1016/j.jog.2009.11.006.

26. Andrew C. Kemp, Benjamin P. Horton, Jeffrey P. Donnelly, Michael E. Mann, Martin Vermeer and Stefan Rahmstorf (2011). Climate related sea-level variations over the past two millennia. *Proceedings Nat. Acad. Sci.*, http://www.pnas.org/cgi/doi/10.1073/pnas.1015619108.

27. Satu Dahlqvist, Petri Rönnholm, Panu Salo and Martin Vermeer (2011). Evaluating the elevation accuracy and georeferencing of airborne laser scanning data using vehicle-based RTK and VRS GPS observations. *Remote Sensing*. http://www.mdpi.com/2072-4292/3/9/1902/pdf.

28. Stefan Rahmstorf, Mahé Perrette and Martin Vermeer (2011). Testing the Robustness of Semi-Empirical Sea Level Projections. *Climate Dynamics*, http://www.springerlink.com/content/42822h838776m102/fulltext.pdf.

B Non-refereed scientific articles

1. Martin Vermeer (1981). QIKAIM, a fast semi-numerical algorithm for the generation of minute-of-arc accuracy satellite predictions. Report 81:1, Finnish Geodetic Institute, Helsinki, 1981.

2. Martin Vermeer (1982). The use of mass point models for describing the Finnish gravity field. In Proceedings 9th General Meeting Nordic Geodetic Commission, Sep. 13-17, Gävle, Sweden.

3. Martin Vermeer (1983). A new SEASAT altimetric geoid for the Baltic. Report 83:4, Finnish Geodetic Institute, Helsinki.

4. Martin Vermeer (1984). Geoid studies on Finland and the Baltic. Report 84:3, Finnish Geodetic Institute, Helsinki, 1984. Ph.D thesis, Univ. of Helsinki.

5. Juhani Kakkuri and Martin Vermeer (1985). The study of land uplift using the Third Precise Levelling of Finland. Report 85:1, Finnish Geodetic Institute, Helsinki.

6. Erik W. Grafarend, Horst Kremers, Juhani Kakkuri, and Martin Vermeer (1987). Adjusting the SW Finland Triangular Network with the Tagnet 3-D operational geodesy software. Publication 106, Finnish Geodetic Institute, Helsinki.

7. Günter W. Hein, Herbert Landau, Juhani Kakkuri, and Martin Vermeer (1987). Integrated 3D adjustment of the SW Finland test net with the FAF Munich OPERA 2.3 software. Report 87:3, Finnish Geodetic Institute, Helsinki.

8. Juhani Kakkuri and Martin Vermeer (1988). The Åland GPS levelling experiment. In Proceedings, Symposium on Instrumentation, Theory and Analysis for Integrated Geodesy, pages 27–35, Sopron, Hungary.

9. Martin Vermeer, Juhani Kakkuri, Pentti Mälkki, Kimmo Kahma, Matti Leppäranta, and Hanna Boman (1988). Land uplift and sea level variability spectrum using fully measured monthly means of tide gauge readings. In Finnish Marine Research, volume 256, pages 3–75. Finnish Institute of Marine Research, Helsinki.

10. Carl Christian Tscherning, Rene Forsberg, and Martin Vermeer (1990). Methods for regional gravity field modelling from SST and SGG data. Report 90:2, Finnish Geodetic Institute, Helsinki.

11. Martin Vermeer (1989). FGI Studies on Satellite Gravity Gradiometry. 1. Experiments with a 5-degree buried masses grid representation. Report 89:3, Finnish Geodetic Institute, Helsinki.

12. Martin Vermeer (1990). Geoid recovery at $0^\circ.5$ satellite gradiometry data sets. In Fernando Sansò and Richard H. Rapp, editors, Proceedings, First International Geoid Commission Symposium, June 11-13, Milan, Italy. Springer.

13. Martin Vermeer (1990). FGI Studies on Satellite Gravity Gradiometry. 2. Geopotential recovery at 0.5-degree resolution from global satellite gradiometry data sets. Report 90:1, Finnish Geodetic Institute, Helsinki.

14. Martin Vermeer (1992). Exploiting symmetry for fast inversion – the case of geophysical gravity inversion. In Proceedings Interdisciplinary Inversion Workshop, May 19, Aarhus, Denmark.

15. Martin Vermeer (1992). FGI Studies on Satellite Gravity Gradiometry. 3. Regional high resolution geopotential recovery in geographical coordinates using a Taylor expansion FFT technique. Report 92:1, Finnish Geodetic Institute, Helsinki.

16. Martin Vermeer (1992). Geoid determination with mass point frequency domain inversion in the Mediterranean. In Mare Nostrum 2 GEOMED report, pp 109–119, Madrid, Spain.

17. Martin Vermeer (1993). First crossover adjustment experiences with ERS-1 data in the Mediterranean. In Mare Nostrum 3 GEOMED report, pp 180–190, Milan, Italy.

18. Martin Vermeer (1994). The role of tidal corrections in Mediterranean ERS-1 processing. In Mare Nostrum 4 GEOMED report, pp 171–184, Thessaloniki, Greece.

19. Martin Vermeer (1994). A fast delivery GPS-gravimetric geoid for Estonia. Report 94:1, Finnish Geodetic Institute.

20. Martin Vermeer (1994). Geopotential determination by GPS on board a mini-satellite: the HUTSAT example. In Proceedings, 12th General Meeting Nordic Geodetic Commission, May 30 – June 3, pages 474–480, Ullensvang, Norway.

21. Martin Vermeer (1994). Research in Marine Geodesy. In Proceedings, Seminar "Marine Research in Finland", May 10 – 11, Kotka, Finland.

22. Martin Vermeer (1994). STEP inversion simulations by a spectral domain, buried masses method. In Reiner Rummel and P. Schwinzler, editors, A major STEP for Geodesy, Report 1994 of the STEP Geodesy Working group, pages 75–83. Munich, Germany.

23. Martin Vermeer and Paunonen, M. (1994). The vector connecting the fundamental points Metsähovi and Sjökulla. In E. Gubler and H. Hornik (1995): Report on the Symposium of the IAG Subcommission for the European Reference Frames (EUREF) held in Warsaw 8- 11 June 1994, Astronomisch-Geodätische Arbeiten, München. Bayerische Kommission für die Internationale Erdmessung der Bayerischen Akademie der Wissenschaften), pages 210-215.

24. Martin Vermeer (1995). Two new geoids determined at the FGI. Report 95:5, Finnish Geodetic Institute, Masala.

25. (BIFROST) T.R. Carlsson, T.M. Carlsson, Gunnar Elgered, R.T.K. Jaldehag, P.O.J. Jarlemark, Jan M. Johansson, B.I. Nilsson, Bengt O. Rönnäng, Hans-Georg Scherneck, Ruizhi Chen, Juhani Kakkuri, Hannu Koivula, Matti Ollikainen, Matti Paunonen, Markku Poutanen, Martin Vermeer, Jim L. Davis, Pedro Elosequi, I.I. Shapiro, Martin Ekman, Gunnar Hedling, Bo Jonsson, Jerry X. Mitrovica, and R.N. Pysklywec (1995). First results from a continuously operating GPS network in Fennoscandia. In Kenneth Jaldehag, editor, Space geodesy techniques: An experimental and theoretical study of antenna related error sources, Technical Report 276. School of electrical and computer engineering, Chalmers University of Technology.

26. Juhani Kakkuri, Hannu Koivula, Matti Ollikainen, Matti Paunonen, Markku Poutanen, and Martin Vermeer (1995). The Finnish Permanent GPS Array FinnNet. Current status. In Proceedings, IGS Workshop, 15-17 May, Potsdam, Germany.

27. Martin Vermeer (1996). The New Baltic Sea and Finnish Geoids of the FGI. In I. Vilks, editor, Proceedings, Baltic Sea Level Meeting, March 28-29, Riga, Latvia.

28. Arabelos, D. and Martin Vermeer (1996). Gravity Field Mapping from a Combination of Satellite Altimetry and Sea Gravimetry in the Mediterranean Sea. Report 96:1, Finnish Geodetic Institute, Masala.

29. R.A. Bennett, T.R. Carlsson, T.M. Carlsson, Ruizhi Chen, James L. Davis, Martin Ekman, Gunnar Elgered, Pedro Elosequi, Gunnar Hedling, R.T.K. Jaldehag, P.O.J. Jarlemark, Jan M. Johansson, Bo Jonsson, Juhani Kakkuri, Hannu Koivula, G.A. Milne, Jerry X. Mitrovica, B.I. Nilsson, Matti Ollikainen, Matti Paunonen, Markku Poutanen, R.N. Pysklywec, Bengt Rönnäng, Hans-Georg Scherneck, I.I. Shapiro, and M. Vermeer (1996). GPS Measurements to Constrain Geodynamic Processes in Fennoscandia. *EOS*, 77(35, Aug. 27):337.

30. Martin Vermeer and Poutanen, M. (1996). A Modified GRS-80 Normal Field Including Permanent Tide and Atmosphere. In *Proceedings, IAG International Symposium on Gravity, Geoid and Marine Geodesy* (GraGeoMar96), Sep. 30 - Oct. 5, 1996, pages 515-522, Tokyo.

31. Jan M. Johansson, Hans-Georg Scherneck, Martin Vermeer, Hannu Koivula, Markku Poutanen, James L. Davis, and Jerry X. Mitrovica (1998). BIFROST Project: Three Years of Continuous GPS Observations. In Neilan, R.E., Van Scoy, P.A., and Woodworth, P.L., Editors: *Workshop on Methods for Monitoring Sea Level*, Proc. March 17–18, 1997, Pasadena, Calif., IGS Central Bureau, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, USA.

32. Jan M. Johansson, Hans-Georg Scherneck, James L. Davis, Markku Poutanen, Martin Vermeer, and Jerry X. Mitrovica (1997): Interpretation of site position variation from the Swedish and Finnish permanent GPS networks. In Proceedings, IAG General Meeting, Sep. 3 - 9, Rio de Janeiro, Brazil.

33. Martin Vermeer, Jiancheng Li, and Chunxi Guo (1997). Geoid Determination by FFT Techniques in the Western China Test Area. Report 97:5, Finnish Geodetic Institute, Masala.

34. Martin Vermeer (1998). The geoid as a product. In Proceedings, Second Continental Workshop on the Geoid in Europe, March 10-14, 1998, Report 98:4, Finnish Geodetic Institute, pages 63-69, Masala.

35. József Ádam, Augath, W., Boucher, C., Bruyninx, C., Dunkley, P., Gubler, E., Gurtner, W., Hornik, H., v.d. Marel, H., Schlueter, W., Seeger, H., Vermeer, M., and Zielinski, J.B. (2000). *The European Reference System Coming of Age*, International Association of Geodesy Symposia, IAG Scientific Assembly, Springer, ed. K.-P. Schwarz, Vol. 121, pages 47-54.

36. Martin Vermeer, Väisänen, M, and Mäkynen, J (2004). Paikalliset koordinaatistot ja muunnokset. Report 37, Laboratory of Geodesy, Helsinki U. of Tech.

37. Hans-Georg Scherneck, Martin Vermeer, Rene Forsberg, Klaus-Erich Schmidt, Jaakko Mäkinen, Matti Ollikainen, Markku Poutanen, Hannu Ruotsalainen, Heikki Virtanen, Christof Völksen, Hans-Peter Plag, Martin Lidberg, and Anders Olsson (2005):The Nordic Geodetic Observing System (NGOS): An NKG plan for the contribution from an absolute gravimetry network (NGOS/AG).
`http://217.152.180.26/nkg/sites/default/files/An%20nkg%20plan%20for%20the%20contribution%20from%20an%20absolute%20gravimetry.pdf`.

38. Karin Kollo and Vermeer, M. (2008). Heights, Height Systems, Height Models and their Error Propagation – Final Report. Report 42, Laboratory of Geodesy, Helsinki U. of Tech.

39. Martin Vermeer (2008). Comment on *Sjöberg (2006) "The topographic bias by analytical continuation in physical geodesy" J Geod 81(5):345-350*. J Geod (2008) 82:445-450, DOI 10.1007/s00190-007-0191-8. URL:
`http://www.springerlink.com/content/r58858hu02gnv818/fulltext.pdf`.

40. Rahmstorf, S., and M. Vermeer, (2011). Discussion of: *Houston, J.R. and Dean, R.G., 2011. Sea-Level Acceleration Based on U.S. Tide Gauges and Extensions of Previous Global-Gauge Analyses. Journal of Coastal Research, 27(3), 409-417. Journal of Coastal Research*, 27(4), 784–787. West Palm Beach (Florida), ISSN 0749-0208. URL: `http://www.pik-potsdam.de/~stefan/Publications/Journals/rahmstorf_vermeer_2011.pdf`.

41. Andrei, C.O., Vermeer, M., Kuusniemi, H., and Koivula, H. (2011). Evaluation of Absolute and Relative Carrier Phase Positioning using Observations from Navigation-Grade u-Blox 6T Receiver. *Proceedings of 3rd International Colloquium on Scientific and Fundamental Aspects of the Galileo Programme*, Copenhagen, Denmark. ESA (CD-ROM).

C Scientific books (monographs)

1. Peter Holota and Martin Vermeer, editors. Proceedings, First Continental Workshop om the Geoid in Europe, May 11-14, 1992, Prague, 1992.

2. Martin Vermeer, editor. Coordinate systems, GPS, and the geoid. Proceedings, NorFA Urgency Seminar held at Hanasaari, Espoo, Finland, June 27-29, 1994, Report 95:4, Finnish Geodetic Institute, Helsinki, 1995.

3. Martin Vermeer, editor. Latest Developments in the Computation of Regional Geoids. Proceedings, Session G4, European Geophysical Society XX General Assembly, Hamburg, Germany, 3-7 April 1995, Report 95:7, Finnish Geodetic Institute, Helsinki, 1995.

4. Ilias N. Tziavos and Martin Vermeer, editors. Techniques for Local Geoid Determination. Proceedings, Session G7, European Geophysical Society XXI General Assembly, The Hague, The Netherlands, 6-10 May 1996, Report 96:2, Finnish Geodetic Institute, Masala, 1996.

5. Martin Vermeer and József Ádám, editors. Proceedings, Second Continental Workshop on the Geoid in Europe, March 10-14, 1998, Report 98:4, Finnish Geodetic Institute, Masala, 1998.

D Publications intended for professional communities

1. Martin Vermeer (1995). Snellius, Sauna, Sibelius en Sisu: 33 jaar Geschiedenis (in Dutch). In Snellius Lustrumboek, pages 193–204. Landmeetkundig Genootschap "Snellius", Delft, The Netherlands.

2. Martin Vermeer (1996). Use of the Global Positioning System for geodynamic research in Finland. In Bo Jonsson, editor, Lecture notes, NKG Autumn School, Båstad, Aug 26 - Sep. 1, pp 217–234, Gävle, Sweden. Landmäteriverket.

3. Bo Jonsson, Mikael Lilje, Jean-Marie Becker, Lars Sjöberg, Björn Engen, Björn Geirr Harsson, Niels Andersen, Sigvard Stampe Villadsen, Risto Kuittinen, Martin Vermeer, Magnus Gudmundsson, Thorarinn Sigurdsson (2002). Nordic Geodetic Commission - A successful collaboration between the Nordic countries in the field of geodesy. Presented to FIG XXII International Congress, Washington, D.C., USA, April 19-26, 2002

4. Martin Vermeer (2002). Tunnetko korkeusjärjestelmät? ("Do you know height systems?") Positio, (2):15–16.

5. Martin Vermeer (2002). Review of the GPS deformation monitoring studies; commissioned by Posiva Oy on the Olkiluoto, Kivetty and Romuvaara sites. STUK (Centre for Radiation Safety) STUK-YTO-TR-Report 186.

6. Martin Vermeer (2005). Knowing precisely where you stand: Modern technologies in an old science. *Polysteekki* 3/2005, pp 16-17.

7. Antti Vertanen, Juha Vilhomaa, Antti Saarikoski, Juha Hyyppä, Jaana Jarva, Erkki Tomppo, Martin Vermeer, Matti Joukola, Risto Rasimus, Henry Kvarnström, Matti Tujunen, and Rainer Mustaniemi (2006). Valtakunnallisen korkeusmallin uudistamistarpeet ja -vaihtoehdot. Työryhmämuistio mmm 2006:14, Ministry of Agriculture and Forestry, Helsinki. URL: `http://wwwb.mmm.fi/julkaisut/tyoryhmamuistiot/2006/trm2006_14.pdf`.

8. Martin Vermeer (2008). Covariance analysis for geodesy and geophysics. In: Lecture notes, NKG Summer School, Nesjavellir, Iceland, 25-28 Aug. Landmaelingar Islands, URL: `http://www.lmi.is/Files/Skra_0029262.pdf`, accessed Jan 23, 2009.

9. Martin Vermeer (2010). Mittaamisen mullistukset maanmittausalalla. *Maankäyttö* 3/2010 page 5. `http://www.maankaytto.fi/arkisto/mk310/mk310.pdf`.

10. Martin Vermeer and Takalo, M. (2010). Maanmittaus on mittaamista! *Maankäyttö* 4/2010 pages 34-36. `http://www.maankaytto.fi/arkisto/mk410/mk410_1424_vermeer.pdf`.

11. Martin Vermeer (2010). Sea level rise in the Baltic Sea. p. 21, Baltic Rim Economies Issue 2, 28 April 2010. `http://www.tse.fi/FI/yksikot/erillislaitokset/pei/Documents/BRE2010/BRE_2_2010_Web.pdf`.

12. Martin Vermeer (2011). Book review of *Understanding sea-level rise and variability* (*2010*), John A. Church, Philip L. Woodworth, Thorkild Aarup and W. Stanley Wilson (eds.), Wiley-Blackwell, ISBN 978-1-4443-3452-4. In: Limnology and Oceanography Bulletin.

E Publications intended for the general public, linked to the applicant's research

1. Martin Vermeer (1980). Landmeten in Finland ("Surveying in Finland"). *Aarde en Kosmos*, March 1980. Huizen, The Netherlands.

2. Martin Vermeer (2003). *Maan muoto* ("The figure of the Earth"), Ursa publication 86, chapter: Tekokuista tekoaivoihin ("From artificial satellites to artificial brains"), pages 122-135. Astronomical Society Ursa, Helsinki.

3. Stefan Rahmstorf and Vermeer, M. (2009). Ups and downs of sea level projections. Blog post on RealClimate, Aug. 31. `http://www.realclimate.org/index.php/archives/2009/08/ups-and-downs-of-sea-level-projections/`.

4. Martin Vermeer (2010). Science Story: the Making of a Sea Level Study. Blog post on RealClimate, April 6. `http://www.realclimate.org/index.php/archives/2010/04/science-story-the-making-of-a-sea-level-study/`.

G Theses

1. Martin Vermeer (1984). Geoid studies on Finland and the Baltic. Report 84:3, Finnish Geodetic Institute, Helsinki, 1984. Ph.D thesis, Univ. of Helsinki.