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### **CURRICULUM VITAE FOR YNGVE HAMNERIUS**

**Personal:** Born December 3rd, 1950 in Rogberga, Sweden.

**Education:**

1973-08-27 Master of Science in Engineering Physics. Chalmers University of Technology  
 1982-05-19 Doctor of Technology (Ph.D.), Chalmers University of Technology, title of the thesis:  
*Effects of High Frequency Electromagnetic Fields on Biological Systems*  
 1985-11-01 Docent (Associate Professor), Chalmers University of Technology

**Academic positions:**

991201 –present	Professor 100% at Chalmers University of Technology.	
870701-991130	Associate professor 100%	--
850701-870630	Researcher 50%	--
830401 870630	Deputy university lecturer 50%	--
800701-850630	First research engineer	--
730901-800630	Research assistant	--

Hamnerius main research work has been on biological effects of electromagnetic fields and field reduction techniques. He has studied biological effects of both radio frequency and low frequency fields. These interdisciplinary studies have been done in close co-operation with researcher from the medical faculty of Göteborg University. He has had several consult tasks for the industry, such as environmental consequence analysis for new railroad tunnels. He also works as an external assessor for the Swedish Accreditation, SWEDAC, making assessments on laboratories in Sweden, USA, Taiwan, Japan, S. Korea, Norway and China, who measure electromagnetic fields from video display units or mobile phones. He has more than 230 publications and two patents on magnetic field reduction.

### **Teaching experience**

At Chalmers he has taught the following courses:  
 Biological Effects of Electromagnetic Fields (also developed the course)  
 Environmental and power technology (also developed the course)  
 Environmental Technology E (partly developed)  
 Microwave Technique  
 Introduction to Electrical Engineering  
 Environmental Measuring Technique (together with Physics dept.)  
 Environmental Sciences (together with Physics dept.)

### **Membership**

EBEA, European Bioelectromagnetics Association (Founding Board member)  
 BEMS, Bioelectromagnetics Society (Has been board member)  
 Chairman of section K SNRV, Svenska Nationalkommittén för radiovetenskap (URSI Sweden)  
 Member of the Royal Academy of Science National Committee on Radiation Protection Research  
 Swedish official delegate COST244 and COST 244” (Bioeffect-program) (actions are terminated)  
 Swedish official delegate COST 261 (EMC-program) (action is terminated)  
 Swedish official delegate COST 281 and member of the steering committee (Possible health effects of future wireless communication systems) (action is terminated)  
 Swedish official delegate COST 286 (EMC) (action is terminated)  
 Swedish official delegate COST BM 0704 (action is active)

Hamnerius has been a member of the Steering Committee NRP 57 “Non-Ionising Radiation – Health and Environment” Swiss National Science Foundation.

Publications in chronological order of Y. Hamnerius

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1. S. Hård, Y. Hamnerius and O. Nilsson, "Laser Heterodyne Apparatus for Measurements of Liquid Surface Properties - Theory and Experiments", *J Appl. Phys.* **47**, pp. 2433-2442, 1976.  
  
<http://ieeexplore.ieee.org/Xplore/defdeny.jsp?url=http%3A%2F%2Fieeexplore.ieee.org%2Fstamp%2Fstamp.jsp%3Ftp%3D%26arnumber%3D5102732%26isnumber%3D5102701&denyReason=133&arnumber=5102732&productsMatched=null>
2. L-E. Paulsson, Y. Hamnerius and G. McLean, "The Effects of Microwave Radiation on Microtubules and Axonal Transport", *Radiation Research* **70**, pp. 212-223, 1977.
3. Y. Hamnerius, I. Lundström, L-E. Paulsson, K. Fontell and H. Wennerström. "Dielectric Properties of Lamellar Lipid Water Phases", *Chem. Phys. Lipids* **22**, pp. 135-140, 1978.
4. Y. Hamnerius, "Evaluering av möjlig genetisk risk av högfrekventa elektromagnetiska fält", *Biologiska effekter av elektromagnetiska fält, speciellt inom låg- och radiofrekvensområdet - Konferens i Stockholm 1978-03-10*, pp.11-17, 1978.
5. L-E. Paulsson, Y. Hamnerius, H-A. Hansson and J. Sjöstrand, "Retinal Damage Experimentally Induced by Microwave Radiation at 55 mW/cm<sup>2</sup>", *Acta Ophthalmologica* **57**, pp. 183-197, 1979.
6. Y. Hamnerius, H. Olofsson, Å. Rasmuson and B. Rasmuson, "A Negative Test of Mutagenic Action of Microwave Radiation in *Drosophila melanogaster*", *Mutation Research* **68**, pp. 217-223, 1979.
7. S. B. Lundquist, E. Lindstedt, Y. Hamnerius, S. Nilsen, S. Jacobsson and D. Roos, "Endoskopisk applikation av mikrovågor - en experimentell modell för palliativ behandling av inoperabla blåstumörer", *Acta Societatis Medicorum Suecanae Hygiea* **89**, p. 474, 1980.
8. Y. Hamnerius, B. Anderstam, L. Ehrenberg, Å. Rasmuson and B. Rasmuson, "Investigation of Possible Genetic Effects in Bacteria and *Drosophila melanogaster* of High Frequency Electromagnetic Fields", *Abstracts 4<sup>th</sup> Annual Scientific Session Bioelectromagnetics Society, Los Angeles, June 28 to July 2 1982*, p. 86.
9. Y. Hamnerius, Å. Rasmuson and B. Rasmuson, "Biological Effects of Non-thermal High Frequency Electromagnetic Fields on *Salmonella typhimurium* and *Drosophila melanogaster*", *Dissertation, Technical Report No 120, School of Electrical Engineering, CTH, 179 pages*, 1982.
10. Y. Hamnerius and K. Hansson Mild, "Biologiska effekter av högspänningsledningars elektromagnetiska fält - Reserapport från studieresa till USA 1982", *Rapport II:64, Institutionen för elektronfysik II, CTH, 39 sidor*, 1982.
11. Y. Hamnerius, "Exposure Systems for Studies of the Effects of Electromagnetic Fields on Biological Systems", *Hereditas* **98**, pp. 43-59, 1983.
12. B. Anderstam, Y. Hamnerius S. Hussain and L. Ehrenberg, "Studies of Possible Genetic Effects in Bacteria of High Frequency Electromagnetic Fields", *Hereditas* **98**, pp. 11-32, 1983.
13. L. Ehrenberg, B. Anderstam, S. Hussain and Y. Hamnerius, "Statistical Aspects of the Design of Biological Tests for the Detection of Low Genotoxic Acitivity", *Hereditas* **98**, pp. 33-41, 1983.
14. Y. Hamnerius and K. Hansson Mild, "Biologiska effekter av högspänningsledningars elektromagnetiska fält", *Arbetsarkivskyddsfondens sammanfattning 627, 4 sidor, Stockholm*, 1983.

15. D. Roos, Y. Hamnerius, M. Alpsten and L-G. Friberg, "Development of a Microwave Applicator for Intracavitary Hyperthermia Treatment", Abstracts Hyperthermic Oncology, 4<sup>th</sup> International Symposium, Aarhus, July 2-6 1984, p. D6.
16. H-A. Hansson, L. Persson, B. Rozell, S. Stemme, N-G. Svennung and Y. Hamnerius, "Nervous Tissue Damage after Microwave Exposure", Abstracts 6<sup>th</sup> Annual Meeting Bioelectromagnetics Society, Atlanta, July 15-19, 1984, p. 59.
17. Y. Hamnerius and D. Roos, "Interstitial and Intracavitary Applicators for Hyperthermia", Conference Material, Hyperthermia Workshop Lund, 27-28 February 1985.
18. Y. Hamnerius, "SAR-Distribution in Rabbit Brain Exposed to 3.1 GHz Microwaves", Report No 8, Dept of Applied Electron Physics, CTH 1985.
19. Y. Hamnerius, H-A. Hansson och L-E. Paulsson, "Determination of SAR-Pattern in Rabbit Head Exposed to 3.1 GHz Microwaves", 7<sup>th</sup> Annual Meeting Bioelectromagnetics Society, San Francisco, June 16-20 1985, Abstracts p. 70, 1985.
20. L. Persson, H-A. Hansson, B. Rozell, S. Stemme, Y. Hamnerius and N.G. Svennung, "Effects of Microwaves on Central Nervous System", 13<sup>th</sup> World Congress on Neurology, Hamburg, West Germany, September 1-6 1985, J. Neurol. **232** (suppl.) p. 39, 1985.
21. D. Roos and Y. Hamnerius, "An Interstitial Microwave Applicator with Improved Heating Volume", Strahlentherapie **161**, p. 548, 1985.
22. Y. Hamnerius, Å. Rasmuson and B. Rasmuson, "Biological Effects of High-Frequency Electromagnetic Fields on *Salmonella typhimurium* and *Drosophila melanogaster*", Bioelectromagnetics **6**, pp. 405-414, 1985.
23. D. Roos and Y. Hamnerius, "Development of Interstitial and Intracavitary Microwave Applicators for Hyperthermia", Third Scandinavian Workshop on Hyperthermia, Bergen, Norway, May 10-11, 1985.
24. G. Axelsson, A. Berg, T. Berns, C-G. Gustafsson, Y. Hamnerius, L-E. Paulsson och S. Wulff, "Framtida bildskärmar", Rapport från Datadelegationen DS C 1985:21, 158 sidor, Civildepartementet, 1985.
25. Y. Hamnerius and D. Roos, "New Tools for Cancer Treatment", CIC Nytt nr 3, pp. 10-11, 1985.
26. Y. Hamnerius, "Mikrovågsteknik - Inledning", Kurslitteratur, Institutionen för teknisk elektronfysik, CTH, 1985.
27. Y. Hamnerius, "Mikrovågsteknik - Biologiska effekter av mikrovågor", Kurslitteratur, Institutionen för teknisk elektronfysik, CTH 1985.
28. Y. Hamnerius, "Uppmätning av magnetfältsexposition vid Volvo Lastvagnar AB", Rapport 85:1 Ingenjörskontor Yngve Hamnerius, Göteborg 1985.
29. Y. Hamnerius, "Flat Panel Displays - Alternative to CRT", Conference Proceedings Work With Display Units, Stockholm, pp. 902-905, May 1986.
30. R. Nilsson, L. Persson, E. Hjelmqvist, S. Olanders, H-A. Hansson, Y. Hamnerius and K. Hansson Mild, "Effects of Microwaves on the Nervous System - A Study on Radar Mechanics", Proceedings International Congress on Industrial Hygiene, Rome, Italy, October 5-9, 1986, pp. 196-197, 1986.
31. D. Roos and Y. Hamnerius, "Heat Pattern Evaluation of Interstitial and Intracavitary Microwave Applicators", Lund Science AB, 2<sup>nd</sup> User Meeting, March 14-15, 1986.

32. Y. Hamnerius, editor, "Bildskärmsarbete och hälsa", Chalmers forskarförhör, Rapport nr 5, CTH 9 juni 1986.
33. Y. Hamnerius, K. Hansson Mild and G. Thommesen, "Biologiska effekter av kraftfrekventa elektriska och magnetiska fält - Reserapport från studieresa i Västeuropa, September 1986", Rapport nr 22, Institutionen för teknisk elektronfysik, CTH 1986.
34. Y. Hamnerius, "Displayteknik", Kurslitteratur, Institutionen för teknisk elektronfysik, CTH 1986.
35. Y. Hamnerius, Å. Rasmuson and B. Rasmuson, "'Biological Effects of High-Frequency Electromagnetic Fields on *Salmonella typhimurium* and *Drosophila melanogaster*", Biological Effects of Electropollution - Brain Tumours and Experimental Models, Editors S. Dutta and R. Millis, Information Ventures, Inc, Philadelphia, PA, 1986, pp. 222-223.
36. IVA, "Biologiska effekter av kraftfrekventa elektriska och magnetiska fält", Rapport 323, IVA Stockholm 1987. (Rapporten utarbetad av IVA-kommittén Biologiska effekter av elektromagnetiska fält, huvuddelen av rapporten har skrivits av K. Hansson Mild och mig.)
37. D. Roos and Y. Hamnerius, "Utveckling av mikrovågsapplikator för hypertermibehandling av cancer", Radiovetenskaplig konferens, Sammanfattning, Uppsala 21-24 April 1987, s. 112.
38. R. Nilsson, L. Persson, E. Hjelmqvist, S. Olanders, H-A. Hansson, Y. Hamnerius and K. Hansson Mild, "Microwave Effects on the CNS - A Study on Radar Mechanics", Non Ionizing Radiation in Outdoor Application, Abstracts, Stockholm August 12-16 1987, p. 20.
39. Y. Hamnerius, "Arbete vid bildskärm", Teldok, Referensdokument H, Stockholm, August i 1987.
40. Y. Hamnerius, "Jämförelse av magnetfältsdata från bildskärm uppmätt med två olika mätmetoder", Rapport nr 27, Inst. för teknisk elektronfysik, CTH 1987.
41. R. Nilsson, L. Persson, S. Olanders, E. Hjelmqvist, Y. Hamnerius, K. Hansson Mild and H-A. Hansson, "Påverkas CNS av mikrovågor?", Svenska läkarsällskapets riksstämma 2-4 december 1987.
42. Y. Hamnerius, "Biologiska effekter av lågfrekventa elektriska och magnetiska fält", Chalmerskontakt 1987:1, pp. 8-10.
43. Y. Hamnerius, "Hur kan vi utveckla tekniken? - Katodstrålerör eller flytande kristaller?", TCO idéseminarium - Bildskärmar, miljö och hälsa, Stockholm 2 februari 1988.
44. Y. Hamnerius, "Biologiska effekter av lågfrekventa elektriska och magnetiska fält", CIC-nytt nr 1, pp. 18-20, 1988.
45. Y. Hamnerius and S. Galt, "Exempelsamling i biologiska effekter av elektromagnetiska fält", Inst. för teknisk elektronfysik, CTH, 1988.
46. Y. Hamnerius, "Anordning vid bildrör för att reducera den magnetiska fältstyrkan i bildrörets omgivning", Swedish patent nr 8605303-0, Stockholm, 22 December 1988.
47. D. Roos, Y. Hamnerius, M. Alpsten, G. Borghede and L. Friberg, "Two Microwave Applicators for Intracavitary Hyperthermia Treatment of Cancer *Colli uteri*", Physics in Medicine and Biology **34**, 12, pp 1917-1921, 1989.
48. R. Nilsson, Y. Hamnerius, K. Hansson Mild, H-A. Hansson, E. Hjelmqvist, S. Olanders and L. Persson, "Microwave effects on the Central Nervous System - A Study on Radar Mechanisms", Health Physics **56**, 5, pp. 777-779, 1989. <http://www.health-physics.com/pt/re/healthphys/abstract.00004032-198905000-00027.htm;jsessionid=HLHD36hk3JFfBLPVv0r47QWQ2RKVBVqz5pPvbjK18bv5VKdgx1p0!-1829525682!181195628!8091!-!?index=1&database=ppvovft&results=1&count=10&searchid=2&nav=search>

49. L. Fransson och Y. Hamnerius, "Magnetfält i kontorsarbetsmiljö", Rapport nr 39, Inst. för teknisk elektronfysik, CTH 1989.
50. Y. Hamnerius, B. Nordén and J. Sandblom, "Biologiska effekter kan ej uteslutas", Svenska Dagbladet 18 mars, p. 3, 1989.
51. Y. Hamnerius, "Elinstallationen påverkar magnetfälten i husen", Elinstallatören **55**, 6/7, pp. 20-25, 1989.
52. Y. Hamnerius, "Elektriska och magnetiska fält - en hälsorisk?", CIC-nytt nr 1, pp. 8-12, 1989.
53. Y. Hamnerius, "Overview of Documented Epidemiological and Physiological Effects and Proposed Mechanisms of Biological Interaction with Low-Level Electric and Magnetic Fields", Proceedings of "Interaction Mechanisms of Low-Level Electromagnetic Fields in Living Systems - Resonant Phenomena", Royal Swedish Academy of Sciences, Stockholm, 25-27 May 1989.
54. J. Sandblom, S. Galt, D. Roos and Y. Hamnerius, "Possible Resonance Effects of ELF Magnetic Fields on Ion Channels", Proceedings of "Interaction Mechanisms of Low-Level Electromagnetic Fields in Living Systems - Resonant Phenomena", Royal Swedish Academy of Sciences, Stockholm 25-27 May 1989.
55. Y. Hamnerius, "Overview of Proposed Mechanisms of Biological Interactions with Low-Level Electric and Magnetic Fields", Abstract. The Bioelectromagnetics Society 11<sup>th</sup> annual meeting, June 18-22, Tucson, USA, p. 27, 1989.
56. E. Saalman, B. Nordén, L. Arvidsson and Y. Hamnerius, "Effects of 2.45 GHz-Microwave Radiation on the Permeability of Unilamellar Liposomes Containing the Fluorescent Marker 5(6)-carboxy-fluorescein", Abstract The Bioelectromagnetics Society 11<sup>th</sup> Annual Meeting, June 18-22, Tucson, USA, p. 46, 1989.
57. S. Galt, J. Sandblom and Y. Hamnerius, "Resonant Response of Ions in Membrane Channels to AC-DC Magnetic Fields: Numerical Solutions", Abstract The Bioelectromagnetics Society 11<sup>th</sup> Annual Meeting, June 18-22, Tucson, USA, p. 55, 1989
58. Y. Hamnerius, "Kunskapen dålig om verkan av lågfrekventa fält kring bildskärmar", Terminalen, nr 5, pp. 8-9, 1989.
59. Y. Hamnerius, "Strålning från bildskärmar - Hitta rätt i snårig begreppsvärld", Digitalaren nr 6, pp. 6-7, 1989.
60. K. Hansson Mild, I. Nordensson and Y. Hamnerius, "Oklar hälsorisk men biologiska system är känsliga för svaga elektriska och magnetiska fält", Läkartidningen, **86**, pp. 3887-3888, 1989.
61. L-E. Paulsson, Y. Hamnerius, K. Hansson Mild and H. Wendschlag, "A New Swedish Standard for Measuring Electric and Magnetic Fields from Computers and Office Machines - I. General Considerations", Book of Abstracts, Work with Display Units, Montreal, Canada, September 11-14, p. 164, 1989.
62. H. Wendschlag, Y. Hamnerius, K. Hansson Mild and L-E. Paulsson, "A New Swedish Standard for Measuring Electric and Magnetic Fields from Computers and Office Machines - II. Electrostatic Fields and Surface Potentials", Book of Abstracts, Work with Display Units, Montreal, Canada, September 11-14. p. 165, 1989.
63. Y. Hamnerius, K. Hansson Mild, L-E. Paulsson and H. Wendschlag, "A New Swedish Standard for Measuring Electric and Magnetic Fields from Computers and Office Machines - III. AC-Electric Fields and Induced Currents", Book of Abstracts, Work with Display Units, Montreal, Canada, September 11-14, p. 166, 1989.

64. L-E. Paulsson, Y. Hamnerius, K. Hansson Mild and H. Wendschlag, "A New Swedish Standard for Measuring Electric and Magnetic Fields from Computers and Office Machines - IV. AC-Magnetic Fields", Book of Abstracts, Work with Display Units, Montreal, Canada, September 11-14, p. 176, 1989.
65. S. Galt, J. Wahlström, Y. Hamnerius, D. Holmqvist, and T. Johannesson, "Test of Clastogenic Effects of 50 Hz Magnetic Fields on Human Amniotic Cells", Department of Applied Electron Physics, Chalmers Univ. of Tech., Göteborg, Report No. 45, Dec. 1989.
66. L. Fransson and Y. Hamnerius, "Magnetfält i kontorsmiljö", Arbetsmiljöfondens sammanfattningar 1354, pp 1-10, Feb. 1990.
67. E. Saalman, B. Nordén, L. Arvidsson, Y. Hamnerius and P. Höjevik, "Påverkan från 2,45 GHz mikrovågsstrålning på membran-permeabiliteten hos liposomer", Book of abstracts, RVK 90, Göteborg, April 9-11, pp. 77-78, 1990.
68. P. Höjevik, Y. Hamnerius, E. Saalman, B. Nordén and L. Arvidsson, "Bestämning av absorberad effekttäthet i liposomprov vid mikrovågsstrålning", Book of abstracts, RVK 90, Göteborg, April 9-11, pp. 79-82, 1990.
69. S. Galt, J. Sandblom and Y. Hamnerius, "Theoretical and Experimental Studies of Ion Transport Across Cell Membranes in the Presence of DC and Low-frequency AC Magnetic Fields", Book of abstracts, RVK 90, Göteborg, April 9-11, pp. 74-76, 1990.
70. S. Galt, J. Wahlström, Y. Hamnerius, D. Holmqvist, and T. Johannesson, "Study of Effects of 50 Hz Magnetic Fields on Growth-related Enzyme, ODC, in Human Amniotic Cells", Department of Applied Electron Physics, Chalmers Univ. of Tech., Göteborg, Report No. 46, April 1990.
71. P. Höjevik, J. Sandblom, S. Galt, and Y. Hamnerius, "Experimental Search for Cyclotron Resonance Effects on Patch-Clamped Cells", Department of Applied Electron Physics, Chalmers Univ. of Tech., Göteborg, Report No. 47, April 1990.
72. L. Fransson and Y. Hamnerius, "Reduktion av magnetiska fält från nätstationer", Department of Applied Electron Physics, Chalmers Univ. of Tech., Göteborg, Report No. 48, June 1990.
73. Y. Hamnerius, "Stellen elektrische und magnetische Felder ein Gesundheitsrisiko dar?", Jubiläumskongress Elektromagnetische Felder einflüsse auf Mensch und Umwelt folgen für das gesunde Bauen und Wohnen, Gmunden 4-6 okt. 1990, pp 43 - 45.
74. K. Hansson Mild, L.-E. Paulsson and Y. Hamnerius, "Electric and magnetic fields near VDT's", in L. Berlinguet and D Berthelette (Editors), Work with display units 89, Elsevier Sc. Publ. North-Holland, pp 349-355, 1990.
75. A. Bayard and Y. Hamnerius, "Rapport från Bioelectromagnetics Society's Tolfte Konferens", Applied Electron Physics, Chalmers Univ. of Tech., Göteborg, Report No. 48, Dec. 1990.
76. Y. Hamnerius, "Mätning av svaga magnetiska fält" Grundkurs i miljömätteknik, Institutionen för teknisk elektronfysik, pp1-25, vt 1991
77. E. Saalman, B. Nordén, L. Arvidsson, Y. Hamnerius, P. Höjevik, K. Connell, and T. Kurucsev, "Effect of 2.45-GHz-Microwave Radiation on Permeability of Unilamellar Liposomes to 5(6)-Carboxyfluorescein. Evidence of Non-Thermal Leakage". *Biochimica et Biophysica Acta*, **1064**, pp124-130, 1991
78. P. Höjevik, J. Sandblom, S. Galt, Y. Hamnerius, "Experimental Search for Cyclotron Resonance Effects on Patch-Clamped Cells", Abstract Book BEMS thirteenth Annual Meeting, p 101, 1991.
79. Y. Hamnerius, L. Fransson and S. Galt, "Reduction of Power Frequency Magnetic Fields in Buildings", Abstract Book BEMS thirteenth Annual Meeting, p 55, 1991.

80. S. Galt, J. Wahlström, Y. Hamnerius, D. Holmqvist, and T. Johannesson, "Clastogenic Effect of 50 Hz Magnetic Field on Human Amniotic Cells: Replication Study", Abstract Book BEMS thirteenth Annual Meeting, pp 22-23, 1991.
81. P. Höjevik, Y. Hamnerius and S. Galt, "Reduction of Magnetic Fields from Video Display Terminals", Abstract Book BEMS thirteenth Annual Meeting, p 55, 1991.
82. Y. Hamnerius, "Elektromagnetiska fält i byggnader" Väg- och vattenbyggaren, pp 49-51, 3/1991.
83. P. Höjevik, E. Saalman, S. Galt, Y. Hamnerius, "Determination of the Complex Permittivity in Lipid Solution", Technical Report No. 106L, School of Electrical and Computer Engineering, Chalmers University of Technology, Sept. 1991.
84. P. Höjevik, J. Sandblom, S. Galt, Y. Hamnerius, "Ca<sup>2+</sup> Ion Transport through Patch-Clamped Cells Exposed to Magnetic Fields", Technical Report No. 106L, School of Electrical and Computer Engineering, Chalmers University of Technology, Sept. 1991.
85. P. Höjevik, Y. Hamnerius, S. Galt, "A Method for Reduction of Magnetic Fields from Video Display Terminals", Technical Report No. 106L, School of Electrical and Computer Engineering, Chalmers University of Technology, Sept. 1991.
86. P. Höjevik, E. Saalman, S. Galt, Y. Hamnerius, "Determination of the Complex Permittivity in Lipid Solution", abstract Transactions First Congress of the European Bioelectromagnetics Association, Brussels, Belgium, p59, Jan 23-25, 1992.
87. Y. Hamnerius, L. Fransson, S. Galt, "Vagabonding Currents- a Major Source to Power Frequency Magnetic Fields in Buildings", abstract Transaction First Congress of the European Bioelectromagnetics Association, Brussels, Belgium, p 51, Jan 23-25, 1992.
88. L. Hasselgren, Y. Hamnerius, and E. Möller, "Finite element analysis of reduction of magnetic fields originating from a substation", abstract Transactions First Congress of the European Bioelectromagnetics Association, Brussels, Belgium, p49, Jan 23-25, 1992.
89. Y. Hamnerius, "Overview of epidemiological findings, physiological effects and proposed mechanisms of biological interaction with low-level electric and magnetic fields", In C Ramel and B Nordén Editors "Interaction Mechanisms of Low-Level Electromagnetic Fields in Living Systems" Oxford University Press, Oxford pp 3 - 13, 1992.
90. J. Sandblom, S. Galt, D. Roos and Y. Hamnerius, "Possible resonance effects of ELF magnetic fields on ion channels", In C Ramel and B Nordén Editors "Interaction Mechanisms of Low-Level Electromagnetic Fields in Living Systems" Oxford University Press, Oxford pp183 - 198, 1992.
91. E. Saalman, S. Galt, Y. Hamnerius, and B. Nordén, "Diatom Motility: Replication Study in Search of Cyclotron Resonance Effects", In C Ramel and B Nordén Editors "Interaction Mechanisms of Low-Level Electromagnetic Fields in Living Systems" Oxford University Press, Oxford pp 280 - 292, 1992.
92. S. Galt, P. Höjevik, J. Sandblom, Y. Hamnerius, "Finns det resonanta effekter av AC+DC magnetfält? – Mätningar på levande celler med patch-clamp tekniken", abstract Biologiske effekter af lavfrekvente elektromagnetiske felter, 2. Nordiske arbejds møde, Aalborg, Danmark, 23-24 mars 1992
93. L. Hasselgren, Y. Hamnerius, S. Galt, "Metoder för att minska magnetfält från 3-fasledare", abstract Biologiske effekter af lavfrekvente elektromagnetiske felter, 2. Nordiske arbejds møde, Aalborg, Danmark, 23-24 mars 1992

- 94 Y. Hamnerius, G. Agrup, S. Galt, R. Nilsson, J. Sandblom and R. Lindgren, "Provokationsstudie av elöverkänslighet", abstract Biologiske effekter af lavfrekvente elektromagnetiske felter, 2. Nordiske arbejds møde, Aalborg, Danmark, 23-24 mars 1992
- 95 Y. Hamnerius, G. Agrup, S. Galt, R. Nilsson, J. Sandblom and R. Lindgren, "Provocation study of hypersensitivity reactions associated with exposure to electromagnetic fields from VDUs", Abstract book Work With Display Units, Third International Scientific Conference, Berlin, Sept. 1-4, pp A17 - 18, 1992.
- 96 Y. Hamnerius "Reduction of electric and magnetic field in the office", Abstract book Work With Display Units, Third International Scientific Conference, Berlin, Sept. 1-4, pp A30 - 31, 1992.
- 97 Y. Hamnerius "Elektriska och magnetiska fält på kontoret" In P.-E. Engfeldt, C. Johansson and L. G. Pärletun Editors Kontoret tekniken och människan, Studentlitteratur, Lund, pp 49-67, 1992
- 98 L Fransson and Y. Hamnerius "Reduktion av magnetfält från elledningar" Department of Applied Electron Physics, Chalmers Univ. of Tech., Göteborg, Report No. 62 June 1992
- 99 I. Nordensson, S. Galt, G. Andersson, Y. Hamnerius K. Hansson Mild, D. Holmqvist T. Johannesson M-O. Mattsson, M. Sandström and J. Wahlström "Test of clastogenic effects of 50 Hz Magnetic fields on human amniotic cells: A two laboratory investigation" Final report to the Swedish national institute of radiation protection, Jan. 1992.
- 100 Y. Hamnerius "Biologiska effekter av elektromagnetiska fält: växelverkansmekanismer" Arbetsmiljöfondens sammanfattningar, Stockholm 1992.
- 101 Y. Hamnerius, "Elektriska och magnetiska fält" In C Ramel Editor, Kungl. Vetenskapsakademien/IVA Seminarium om elöverkänslighet, Stockholm 6 - 7 Oct., 1992, pp 29-36, KVA rapport 1993:2
- 102 Y. Hamnerius, G. Agrup, S. Galt, R. Nilsson, J. Sandblom and R. Lindgren, "Double-blind provocation study of hypersensitivity reactions associated with exposure to electromagnetic fields from VDUs", In C Ramel Editor, Kungl. Vetenskapsakademien/IVA Seminarium om elöverkänslighet, Stockholm 6 - 7 Oct., 1992, pp 67-72, KVA rapport 1993:2
103. S. Galt, J. Sandblom, and Y. Hamnerius, "Theoretical Study of the Resonant Behaviour of an Ion Confined to a Potential Well in a Combination of AC and DC Magnetic Fields", *Bioelectromagnetics*, **14**, 299-314, 1993.
104. S. Galt, J. Sandblom, Y. Hamnerius, P. Höjevik, E. Saalman, and B. Nordén, "Experimental Search for Cyclotron Resonance Effects on Ion Channels", *Bioelectromagnetics*, **14**, pp 315-327, 1993.
- 105 L. Hasselgren and Y. Hamnerius, "Calculation of low frequency magnetic shielding of a substation using a two-dimensional finite element method" Department of Microwave technology, Chalmers Univ. of Tech., Gothenburg, Report No. 2 1993.
- 106 L. Hasselgren, E. Möller and Y. Hamnerius "Three dimensional FEM calculations on shielding of power frequency magnetic fields from a substation" Symposium Record IEEE 1993 Int. Symp. on Electromagnetic Compatibility, Dallas, Tx, Aug. 9-13 1993, pp 158-159.
- <http://ieeexplore.ieee.org/search/srchabstract.jsp?arnumber=473759&isnumber=9997&punumber=3346&k2dockey=473759@ieeecnfs&query=%28hamnerius%29%3Cin%3Emetadata&pos=1>
- 107 A-C. Blomkvist, P-E. Boivie, Y. Hamnerius, K. Hansson Mild, T. Klittervall and O. Östberg "Electric and magnetic sanitation of the office" H. Luczak, A. Cakir and G Cakir (Eds) Work with display units '92 - Selected proceedings of the 3<sup>rd</sup> Int. conf. WWDU '92, Berlin, Germany, 1-4 Sept. 1992. pp 77 - 84, Amsterdam, Elsevier, 1993.



- 108 Y. Hamnerius, L. Hasselgren and E. Möller "Calculation of shielding of 50 Hz magnetic fields by OPERA/ELEKTRA" Linköping University Report LiTH-IFM-R204 1993-09-03
- 109 Y. Hamnerius "Forskning och debatt. Internationell översikt" In "Överkänslighet i arbetsmiljön - En rapport till Arbetslivsfonden, Ellementel 1993 pp 102-109.
- 110 Y. Hamnerius "Displayteknik" In Ellementel "Överkänslighet i arbetsmiljön" Delprojektet Alternativ bildskärms teknik, slutrapport till Arbetslivsfonden 1993 pp 1-19.
- 111 Y. Hamnerius, G. Agrup, S. Galt, R. Nilsson, J. Sandblom and R. Lindgren, "Provocation study of reactions associated with exposure to electromagnetic fields from VDUs" Transactions 2<sup>nd</sup> Congress of the European Bioelectromagnetics Association, Dec 9-11 1993, Bled, Slovenia, pp 8-9.
- 112 Y. Hamnerius "Hur uppstår elektriska och magnetiska fält?" Bygghforskning 93:6 pp 28-29, 1993.
- 113 L. Hasselgren and Y. Hamnerius "Calculation of low frequency magnetic shielding of a substation using a two-dimensional finite element method" In "Magnetic shielding at extremely low frequency and optical fibre end diffusers, Chalmers University of Technology, Technical report 156L, 1993.
- 114 L. Hasselgren, E. Möller and Y. Hamnerius "Calculation of magnetic shielding of a substation at power frequency using FEM" In "Magnetic shielding at extremely low frequency and optical fibre end diffusers, Chalmers University of Technology, Technical report 156L, 1993.
- 115 L. Hasselgren and Y. Hamnerius, "Two Dimensional FEM Calculation on Shielding of Power Frequency Magnetic Fields from a Substation", Book of abstracts, RVK 93, Lunds Tekniska Högskola, April 5-7, pp. 51-54, 1993.
- 116 Y. Hamnerius and P. Sjöberg "Study of provoked hypersensitivity reactions from the electric and magnetic fields of a video display unit" Abstract 16<sup>th</sup> annual BEMS Meeting, Copenhagen, June 12 - 17, 1994, p 21.
- 117 B. Bergqvist, L. Arvidsson, E. Pettersson, S. Galt, E. Saalman, Y. Hamnerius and B. Nordén "Study of microwave induced liposome permeability" Abstract 16<sup>th</sup> annual BEMS Meeting, Copenhagen, June 12 - 17, 1994, p 155.
- 118 L. Hasselgren and Y. Hamnerius "Magnetic shielding of large electrical power equipment" Abstract 16<sup>th</sup> annual BEMS Meeting, Copenhagen, June 12 - 17, p 20, 1994.
- 119 S. Galt, Y. Hamnerius, G. Agrup, R. Nilsson, J. Sandblom and R. Lindgren "Provocation study of human sensitivity to electromagnetic fields simulating VDU environment" Abstract 16<sup>th</sup> annual BEMS Meeting, Copenhagen, June 12 - 17, 1994, p 21.
- 120 J. Galvanovskis, J. Sandblom, B. Bergqvist and Y. Hamnerius "ELF magnetic field stimulated intracellular Ca<sup>2+</sup> oscillations" Abstract 16<sup>th</sup> annual BEMS Meeting, Copenhagen, June 12 - 17, 1994, p 90
- 121 Y. Hamnerius, T. Nilsson, J. Larsson and A. Magnusson "Measurement instruments for 5 Hz to 400 kHz electric and magnetic fields" Abstract COST 244 Workshop, Pilzn, 1994.
- 122 B. Bergqvist, L. Arvidsson, E. Pettersson, S. Galt, E Saalman, Y. Hamnerius and B. Nordén "Effects of microwaves on liposome membrane permeability - test for non-thermal leakage" Abstract 3:e Nordiska arbetsmiljömötet, Umeå 1994, Arbetsmiljöinstitutet Undersökningsrapportserie 1994:4, p OP6

- 123 J. Galvanovskis, J. Sandblom, B. Bergqvist and Y. Hamnerius "ELF magnetic field stimulated intracellular Ca<sup>2+</sup> oscillations" Abstract 3:e Nordiska arbetsmiljömötet, Umeå 1994, Arbetsmiljöinstitutet Undersökningsrapportserie 1994:4, p P3
- 124 B. Bergqvist, J. Bergqvist, R. Ekman and Y. Hamnerius "ELF magnetic field effects on neurite outgrowth in PC-12 cells" Abstract 3:e Nordiska arbetsmiljömötet, Umeå 1994, Arbetsmiljöinstitutet Undersökningsrapportserie 1994:4, p O3
- 125 S. Galt, U. Ottoson, B. Bergqvist, Y. Hamnerius, C. Alfredsson and M. Styrefors "Is magnetite the key to biological ELF interactions?" Abstract 3:e Nordiska arbetsmiljömötet, Umeå 1994, Arbetsmiljöinstitutet Undersökningsrapportserie 1994:4, p O4
- 126 R. Nilsson, E. Andersson, Y. Hamnerius, B. Dynefors, I. Thuwe, B. Lundström, R. Lindgren and A. Odén "Brain tumours, magnetic fields and radon in dwellings - presentation of a study design" Abstract 3:e Nordiska arbetsmiljömötet, Umeå 1994, Arbetsmiljöinstitutet Undersökningsrapportserie 1994:4, p O12
- 127 P. Sjöberg and Y. Hamnerius "Are hypersensitivity reactions provoked by a VDU" Abstract 3:e Nordiska arbetsmiljömötet, Umeå 1994, Arbetsmiljöinstitutet Undersökningsrapportserie 1994:4, p. O15
- 128 P. Sjöberg and Y. Hamnerius "Study of provoked hypersensitivity reactions from a VDU" Abstract Work with display units, Book of short papers, vol. 1, p D17, Milan 1994, p D17
- 129 B. Bergqvist, L. Arvidsson, E. Pettersson, S. Galt, E. Saalman, Y. Hamnerius and B. Nordén "Effect of microwave radiation on permeability of liposomes. Evidence against non-thermal leakage" *Biochimica et Biophysica Acta* **1201**, pp. 51-54, 1994.
- 130 L. Hasselgren, E. Möller and Y. Hamnerius "Calculation of magnetic shielding of a substation at power frequency using FEM" *IEEE Trans. Power Delivery*, **9:3**, pp 1398-1405, 1994.  
<http://ieeexplore.ieee.org/search/srchabstract.jsp?arnumber=311168&isnumber=7540&punumber=61&k2dockey=311168@ieeejrns&query=%28hamnerius%29%3Cin%3Emetadata&pos=0>
- 131 I. Nordensson, S. Galt, G. Andersson, Y. Hamnerius K. Hansson Mild, D. Holmqvist T. Johannesson, M-O. Mattsson, M. Sandström and J. Wahlström "Test of clastogenic effects of 50 Hz Magnetic fields on human amniotic cells: A two laboratory investigation" Submitted *Bioelectromagnetics* 1994.
- 132 L. Hasselgren and Y. Hamnerius "Design considerations for ELF magnetic shielding" abstract Synopsis, COST 243 Workshop on shielding effectiveness, Budapest, Nov. 24-25 1994 p 10.
- 133 J. Bergqvist, B. Bergqvist, S. Galt, R. Ekman and Y. Hamnerius "Search for magnetic field effects on Neurite outgrowth and extracted peptide fragments in rat pheochromocytoma cells" In "Biological effects of EM fields at the cellular level and tropospheric DOAS measurements", Chalmers Univ. of Technology, Technical report no. 188L, 1994.
- 134 J. Galvanovskis, J. Sandblom, B. Bergqvist, S. Galt and Y. Hamnerius "The influence of 50 Hz magnetic fields on cytoplasmic Ca<sup>2+</sup> oscillations in the human leukaemia T-cells", In "Biological effects of EM fields at the cellular level and tropospheric DOAS measurements", Chalmers Univ. of Technol., Technical report no. 188L, 1994.
- 135 Y. Hamnerius "Kilder til elektriske og magnetiske felter" El-overfølsomhed, In L. Henningsen, E. Hynne, J. Katajainen and K. Outzen (Eds) *El-overfølsomhed -Eksiterer problemet? Problemet eksiterer!* Proc of the 1<sup>st</sup> Copenhagen meeting on electromagnetic hypersensitivity 930819, DIKU tryk, pp32 - 67, København 1994.
- 136 Y. Hamnerius, G. Agrup, S. Galt, R. Nilsson, J. Sandblom and R. Lindgren "Double blind provocation study of reactions associated with exposure to electromagnetic fields from VDUs"

- Proc. XIII/72/95-EN, COST 244 meeting on Electromagnetic Hypersensitivity, pp 41-43, Graz 26-27 Sept 1994.
- 137 Y. Hamnerius and P. Sjöberg "Investigation of provoked hypersensitivity reactions from the electric and magnetic fields of a video display unit" Proc. XIII/72/95-EN, COST 244 meeting on Electromagnetic Hypersensitivity, pp 44-45, Graz 26-27 Sept 1994.
- 138 L. Hasselgren and Y. Hamnerius "Design considerations for ELF magnetic shielding" Proceedings COST 243 Workshop on shielding effectiveness, Budapest, Nov. 24-25 1994, pp 83 - 99.
- 139 Y. Hamnerius, B. Bergqvist, L. Andersson, E. Pettersson, S. Galt, E. Saalman and B. Norden "Study of microwave induced permeability of liposomes. Evidence against non-thermal leakage" In Proceedings COMM SPHERE 95 Int. Symp. on future telecommunication and the electromagnetic environment, Eilat, Israel, Jan 22-26 1995, pp 134-137.
- 140 P. Höjevik, J. Sandblom, S. Galt and Y. Hamnerius "Ca<sup>2+</sup> ion transport through patch-clamped cells exposed to magnetic fields" *Bioelectromagnetics* **16**, pp 33-40, 1995.
- 141 S. Galt, J. Wahlström, Y. Hamnerius, D. Holmqvist and T. Johannesson, "Study of effects of 50 Hz magnetic fields on chromosome aberrations and growth-related enzyme, ODC, in human amniotic cells" *Bioelectrochemistry and bioenergetics*, **36**, pp 1-8, 1995.
- 142 L. Hasselgren and Y. Hamnerius "Calculation of low frequency magnetic shielding of a substation using a two-dimensional finite element method" *European Trans. on Electrical Power Engineering. ETEP* **5**, pp 81-90, 1995.
- 143 P. Sjöberg and Y. Hamnerius "Study of provoked hypersensitivity reaction from a VDU" In Katajainen and Knave Eds. *Electromagnetic Hypersensitivity - 2<sup>nd</sup> Copenhagen Conference May 1995*, pp 101 - 110.
- 144 Y. Hamnerius "Biologiska effekter av elektromagnetiska fält" In *Miljövetenskap grundkurs, Miljösektionen CTH/GU*, section 4.1 pp 1 - 20, 1995.
- 145 R.I. Nilsson, E. Andersson, I. Thuwe, Y. Hamnerius, B. Dynefors, S. Galt, A. Carlander, B. Moberg, A. Odén, B. Lundström and R. Lindgren, "Brain tumours, magnetic fields and radon in dwellings". *Abstract Book 17<sup>th</sup> annual meeting BEMS. Boston* p 216, 1995
- 146 J. Bergquist, B. Bergqvist, S. Galt, R. Ekman and Y. Hamnerius, "ELF magnetic field effects on neurite outgrowth and extracted peptide fragments in PC 12 cells". *Abstract Book 17<sup>th</sup> annual meeting BEMS, Boston* pp 21 - 22, 1995
- 147 J. Galvanovskis, J. Sandblom, B. Bergqvist, S. Galt and Y. Hamnerius "The experimental and theoretical study of interactions of the cytosolic calcium oscillator with the low frequency magnetic field" *Abstract Book 17<sup>th</sup> annual meeting BEMS .Boston* p 164, 1995.
- 148 E. Andersson, R. Nilsson, I. Thuwe, Y. Hamnerius, B. Dynefors, S. Galt, A. Carlander, B. Moberg, A. Odén, B. Lundström and R. Lindgren "Gliomas and domestic exposure to magnetic fields, radon and ionizing radiation" *Abstract 4th Nordic Workshop on Biological effects of low frequency electromagnetic fields, Kuopio, 1995*, p 20.
- 149 S. Galt, Y. Hamnerius, A. Carlander, B. Moberg, R. Nilsson, E. Andersson, I. Thuwe, B. Dynefors, A. Odén, B. Lundström and R. Lindgren "Characterization of domestic exposure to AC and DC magnetic fields in glioma study" *Abstract 4th Nordic Workshop on Biological effects of low frequency electromagnetic fields, Kuopio, 1995*, p 32.
- 150 J. Bergquist, B. Bergqvist, S. Galt, P. Fredman and Y. Hamnerius "Test of the IPR magnetic field effect model on PC12 cells" *Abstract 4th Nordic Workshop on Biological effects of low frequency electromagnetic fields, Kuopio, 1995*, p 12.

- 151 B. Bergqvist, S. Galt and Y. Hamnerius "Independent replicated biological effects of ELF electromagnetic fields: a literature study" Abstract 4th Nordic Workshop on Biological effects of low frequency electromagnetic fields, Kuopio, 1995, pp 25 & 32.
- 152 J. Galvanovskis, J. Sandblom, B. Bergqvist and Y. Hamnerius "The influence of 50 Hz magnetic fields on the cellular cytosolic Ca<sup>2+</sup> oscillator" Abstract 4th Nordic Workshop on Biological effects of low frequency electromagnetic fields, Kuopio, 1995, p 11.
- 153 E. Andersson, R. I. Nilsson, I. Thuwe, Y. Hamnerius, B. Dynefors, S. Galt, A. Carlander, B. Moberg, A. Odén, B. Lundström and R. Lindgren "Riskfaktorer för hjärntumör i bostadsmiljön?" Abstract Book, 44 Nordiska Arbetsmiljömötet, Nådendal, Finland, 27-29 Aug 1995, Institutet för arbetshygien, 1995, p228.
- 154 Y. Hamnerius "Skärmning av magnetiska fält" EMC magazine **3**, nr 2, p 12, September 1995.
- 155 A.-C Blomqvist, Y. Hamnerius and T. Klittervall "Elkontoro - Elsanering och överkänslighet i kontorsmiljö" SAN, pp 1 - 24, Stockholm 1995.
- 156 R. Nilsson, E. Andersson, I. Thuwe, Y. Hamnerius, B. Dynefors, S. Galt, A. Carlander, B. Moberg, A. Odén, B. Lundström and R. Lindgren "Clusters of gliomas and domestic exposure to magnetic fields, radon and ionizing radiation" Abstract Symposium Miljömedicin 21, Göteborg Nov. 1995.
- 157 B. Bergqvist, S. Galt and Y. Hamnerius "Independently replicated biological effects of ELF electromagnetic fields: a literature study" In D. Simunić Editor, Proceedings COST 244 meeting on Methods for exposure assessment related to standards & Design and quality control of laboratory experiments, Athens 25-28 March 1995, pp 1-2.
- 158 B. Bergqvist, Y. Hamnerius och S. Galt "Biologiska effekter av elektromagnetiska fält: Växelverksmekanismer", Populärsammanfattning till Arbetsmiljöfonden, 1995, 9 pages
- 159 Y. Hamnerius "Elektriska och magnetiska fält på kontoret" In C. Johansson, L. G. Pärletun and P.-E. Engfeldt, Editors Kontoret tekniken och människan, 2<sup>nd</sup> edition, Studentlitteratur, Lund, 1996, pp 58 -80.
- 160 Y. Hamnerius "Elektriska och magnetiska fält i byggnader" Dept. Microwave Technology, Chalmers University of Technology, Report Nr 20, Göteborg Jan. 1996,73 pages.
- 161 Y. Hamnerius "Reduktion av fält i byggnader" In A.-C. Blomkvist, Y. Hamnerius and T. Klittervall Editors "ELKONTORO", Tekniska högskolan i Luleå, Forskningsrapport TULEA 1996:02, pp 7-85.
- 162 J. Galvanovskis, J. Sandblom, B. Bergqvist, S. Galt and Y. Hamnerius "The influence of 50 Hz magnetic fields on cytoplasmic Ca<sup>2+</sup> oscillations in the human leukaia T-cells" The Sciences of the Total Environment, 180, pp19-33, 1996.
- 163 Y. Hamnerius, R. Nilsson, S. Galt, E. Andersson, I. Thuwe, B. Dynefors, A. Carlander, B. Moberg, A. Odén, B. Lundström and R. Lindgren "Case control study of gliomas and domestic exposure to magnetic fields, radon and ionizing radiation "EBEA 3<sup>rd</sup> International Congress Nancy 29 Febr. - 3 March 1996, Abstract book.
- 164 J Galvanovskis, J. Sandblom and Y. Hamnerius "Amplification of weak electromagnetic signals by spatial coherence in systems of ion channels" EBEA 3<sup>rd</sup> International Congress Nancy 29 Feb. - 3 March 1996, Abstract book.
- 165 Y. Hamnerius "Innebär elektriska och magnetiska fält någon hälsorisk?" Ung Forskning, nr 3, pp 10-12, 1996

- 166 A. Chiabrera, Y. Hamnerius, B. Bianco, B. Bergqvist and T Kenny "Design guidelines for *in vitro* and *in vivo* exposure conditions at sub-ELF-LF and their quality control" Abstract Book 18<sup>th</sup> annual meeting BEMS, Victoria, B: C.; Canada p 275, 1996
- 167 A. Chiabrera, Y. Hamnerius, B. Bianco, B. Bergqvist and T Kenny "Design guidelines for *in vitro* and *in vivo* exposure conditions at sub-ELF-LF and their quality control" European Commission DGXIII, COST 244 - Position document, in Proceedings COST 244: Biomedical effects of electromagnetic fields, COST 244 Position papers Oct. 7, 1992- Oct 6, 1996. (CEC-XIII-PP01/96)PP1-1, pp 1-23, 1996
- 168 Y: Hamnerius "Elektromagnetiska fält: Var försiktig!" Byggeforskning 1/97, pp 27-30, 1977.
- 169 M. Gustavsson, M. Lindgren, S. Galt and Y. Hamnerius, "Independently replicated biological effects of ELF electromagnetic fields: A Literature study." 5<sup>th</sup> Nordic Workshop on Biological Effects of Low Frequency Electromagnetic Fields, Trondheim, Norway, 17-18 Apr. 1997, StrålevernRapport 1997:6, Österås, Norway, pp 19-22, 1997
170. J. Galvanovskis, J. Sandblom, S. Galt and Y. Hamnerius, "Possible interactions of low frequency electromagnetic fields with cytosolic calcium oscillators.", 5<sup>th</sup> Nordic Workshop on Biological Effects of Low Frequency Electromagnetic Fields, Trondheim, Norway, 17-18 Apr. 1997, StrålevernRapport 1997:6, Österås, Norway, pp 31-32, 1997.
171. T. Thorlin, M. Lindgren, M. Gustavsson, S. Galt, L. Rönnbäck and Y. Hamnerius, "Experimental setup for study of calcium wave propagation and oscillations in astroglial cells exposed to ELF magnetic fields." 5<sup>th</sup> Nordic Workshop on Biological Effects of Low Frequency Electromagnetic Fields, Trondheim, Norway, 17-18 Apr. 1997, Strålevern Rapport 1997:6, Österås, Norway, pp 35-36, 1997.
172. K. Vedholm and Y. Hamnerius "Personal exposure from low frequency electromagnetic fields in automobiles", Abstract Book, Second World Congress for Electricity and Magnetism in Biology and Medicine, June 8-13, p 116-117, 1997.
173. M. Gustavsson, M. Lindgren, S. Galt and Y. Hamnerius, "Independently replicated biological effects of ELF electromagnetic fields: A Literature study." Abstract Book, Second World Congress for Electricity and Magnetism in Biology and Medicine, June 8-13, p 237, 1997.
174. J. Galvanovskis, J. Sandblom and Y. Hamnerius "Amplification of electromagnetic signals by ion channels. The dependence of the effectsize on cell and tissue morphology", Abstract Book, Second World Congress for Electricity and Magnetism in Biology and Medicine, June 8-13, p 258-259, 1997.
175. T. Thorlin, M. Lindgren, M. Gustavsson, S. Galt, L. Rönnbäck and Y. Hamnerius, "Experimental setup for study of calcium wave propagation in astroglial cells exposed to ELF magnetic fields." Abstract Book, Second World Congress for Electricity and Magnetism in Biology and Medicine, June 8-13, p 263, 1997.
176. M. Lindgren, M. Gustavsson, Y. Hamnerius and S. Galt, "Mapping of magnetic fields in city environment", Abstract Book, Second World Congress for Electricity and Magnetism in Biology and Medicine, June 8-13, p 294, 1997.
177. Y: Hamnerius "Exposure systems for RF and microwave fields" Abstract Book, Second World Congress for Electricity and Magnetism in Biology and Medicine, June 8-13, addendum, 1997.
178. Y. Hamnerius "Reduction of Magnetic fields from the power system. Abstract book, COST 243 Workshop, Fast transients and EMC in Power Systems, Borås, Sweden, June 16-17, 1 page, 1997.
- 179 M. Gustavsson, M. Lindgren, S. Galt and Y. Hamnerius, "Independently replicated biological effects of ELF electromagnetic fields: A Literature study." Submitted to: Proceedings Second World Congress for Electricity and Magnetism in Biology and Medicine, 1997
- 180 Y. Hamnerius "Reduction of Magnetic fields from the power system. Proceedings, COST 243 Workshop, Fast transients and EMC in Power Systems, Borås, Sweden, June 16-17, pp 103-109, 1998.

- 181 Y Hamnerius "Radiofrequency sources and instrumentation" Proceedings of the 5<sup>th</sup> COST 244bis Workshop on RF Exposure Assessment in Epidemiological studies, Zagreb, Nov. 21-22, 1998, pp 36-40.
- 182 M. Gustavsson, M. Lindgren, S. Galt and Y. Hamnerius, "Statistical comparison of independently replicated cellular ELF experiments" Abstract Book 20<sup>th</sup> annual meeting BEMS, St. Pete Beach, Fl. USA p. 124, 1998
- 183 M. Lindgren, M. Gustavsson, Y. Hamnerius and S. Galt, "Magnetic fields in city environment: Mapping and statistical evaluations" Abstract Book 20<sup>th</sup> annual meeting BEMS, St. Pete Beach, Fl. USA pp. 155-156, 1998
- 184 M. Lindgren, T. Thorlin, M. Gustavsson, S. Galt, Y. Hamnerius and L. Rönnbäck "Experimental setup for study of calcium wave propagation in astroglial cells exposed to ELF magnetic fields." In Bersani F. Ed. Electricity and Magnetism in Biology and Medicine, Kluwer Academic/Plenum Publisher, New York, pp. 593-595, 1999.
- 185 M. Lindgren, M. Gustavsson, Y. Hamnerius and S. Galt, "Mapping of magnetic fields in city environment", In Bersani F. Ed. Electricity and Magnetism in Biology and Medicine, Kluwer Academic/Plenum Publisher, New York, pp. 821-824, 1999.
- 186 M. Gustavsson, M. Lindgren, S. Galt and Y. Hamnerius, "Independently replicated biological effects of ELF electromagnetic fields: A Literature study." In Bersani F. Ed. Electricity and Magnetism in Biology and Medicine, Kluwer Academic/Plenum Publisher, New York, pp. 979-982, 1999.
- 187 J. Galvanovskis, J. Sandblom, B Bergqvist, S. Galt, and Y. Hamnerius "Cytoplasmic Ca<sup>2+</sup> oscillations in human leukaemia T-cells are reduced by 50 Hz magnetic fields" Bioelectromagnetics 20, pp. 269-276, 1999
- 188 M. Gustavsson, M. Lindgren, S. Galt and Y. Hamnerius, "Review of replicated extremely low frequency electromagnetic fields cellular experiments" In Lindgren M. Licentiate thesis, Chalmers Univ. Of Technology, Technical report No. 303L, 15 pages, 1999.
- 189 Y. Hamnerius and T. Uddmar "Microwave Exposure from Mobile Phones and Base Stations" In proceedings Conference on Mobile Telephones and Health, Göteborg 16-17 Sept. 1999, pp.35 – 47, 1999.
- 190 C.-G. Bornehag, Y. Hamnerius, M. Hult, O. Johansson C. Norrby and U. Åberg "Health evaluations and technical measurements in four apartments with measure to reduce electrical and magnetic fields" Karolinska Institutet, Stockholm, Rapport nr. 4, 79 pages, 1999.
- 191 Y. Hamnerius "Exposure from VDT's" In Proceedings COST 244bis 6<sup>th</sup> workshop on Exposure systems and their dosimetry, Zurich, 14-15 Feb. 1999, pp. 8 – 11, 1999.
- 192 E. Salinas, L. Aspemyr, J. Daalder, Y. Hamnerius and J. Luomi "Power frequency magnetic fields from in-house secondary substations" In 15<sup>th</sup> Int. Conf. On Electricity and Distribution, CIRED, Technical papers, pp. 161 – 164, 1999.
- 193 E. Salinas, L. Aspemyr, A. Bondesson, J. Daalder, and Y. Hamnerius "Conductive and ferromagnetic shielding of power frequency magnetic fields from bus bars in secondary substations" In Salinas Licentiate Thesis, Chalmers Univ. Of Technology, Technical report No. 320L, 4 pages, 1999.
- 194 Y. Hamnerius and T. Uddmar "Microwave Exposure from Mobile Phones and Base stations" Proceedings Conf. Mobile Telephones and Health, Gothenburg 16<sup>th</sup> – 17<sup>th</sup> September 1999, pp 35 – 47
- 195 Y. Hamnerius and T. Uddmar "Microwave Exposure from Mobile Phones and Base stations in Sweden" Proceedings Int. Conf. On Cell Tower Siting, June 7-8, 2000, pp. 52 – 63.
- 196 Y. Hamnerius and T. Uddmar "Microwave and Radio wave Exposure from Wireless Communication Systems in Sweden" Abstract Book, BEMS 22<sup>nd</sup> Ann. Meeting, Munich, 11 – 16 June, 2000, pp 71-72.

- 197 M. Lindgren, K. Bryngelsson, T. Thorlin, S. Galt, Y. Hamnerius and L. Rönnbäck "Calcium Waves in Astroglial Cells Exposed to 50 Hz Magnetic Fields" Abstract Book, BEMS 22<sup>nd</sup> Ann. Meeting, Munich, 11 – 16 June, 2000, pp. 153 – 154.
- 198 M. Persson, A.-M. Alborn, A Persson, S. Galt, Y. Hamnerius, P. Arvidsson and P. S. Eriksson "DNA Analysis of Adult Derived Neural Stem Cells Exposed to ELF Magnetic Fields *in vitro*" Abstract Book, BEMS 22<sup>nd</sup> Ann. Meeting, Munich, 11 – 16 June, 2000, p 190.
- 199 M. Lindgren, M. Gustavsson, Y. Hamnerius and S. Galt, "ELF magnetic fields in a city environment", *Bioelectromagnetics* **22** pp 87 – 90, 2001.
- 200 U. Bergqvist, G. Anger, E Birke, Y. Hamnerius, L. Hillert, L.-E. Larsson, C. Törnevik and J. Zetterblad. "Exponering för radiofrekventa fält och mobiltelefoni", SSI Rapport 2001:09, 38 pages, 2001.
- 201 U. Bergqvist, G. Friedrich, Y. Hamnerius, L. Martens, G. Neubauer, G. Thuroczy, E. Vogel and J. Wiart " Mobile telecommunication base stations – exposure to electromagnetic fields" Report of a Short Term Mission within COST 244bis, 77 pages, 2001.
201. E. Salinas, A. Bondeson, J. Daalder and Y. Hamnerius "Towards a Global Strategy to Mitigate Power Frequency Magnetic Fields from Secondary Substations." Proc. CIRED' 2001, 16<sup>TH</sup> Conf. On Electricity Distribution, Technical Reports, Paper 25, Amsterdam, 2001.  
<http://ieeexplore.ieee.org/search/srchabstract.jsp?arnumber=943411&isnumber=20412&punumber=7501&k2dockey=943411@ieecnfs&query=%28hamnerius%29%3Cin%3Emetadata&pos=2>  
<http://ieeexplore.ieee.org/search/srchabstract.jsp?arnumber=942870&isnumber=20407&punumber=7501&k2dockey=942870@ieecnfs&query=%28hamnerius%29%3Cin%3Emetadata&pos=3>
202. G. Neubauer, U. Bergqvist, Y. Hamnerius, L. Martens, G. Thuroczy, E. Vogel, J. Wiart and G. Friedrich „Exposure next to GSM base stations in several countries in Europe“ Proc. EBEA 2001, Helsinki, pp. 118 – 119, 2001.
203. P. Arvidsson, Y. Hamnerius, R. Leijon and M. Persson "Design of an *in vitro* system for exposure of glia cells to GSM mobile phone electromagnetic fields" Proc. EBEA 2001, Helsinki, p. 192 2001.
204. P. Arvidsson, A.-M. Albom, T. Thorlin, Y. Hamnerius, P.S: Eriksson and M. Persson "Neural stem cells exposed to ELF magnetic fields" Proc. EBEA 2001, Helsinki, p. 193, 2001.
205. K. Hansson Mild, Y. Hamnerius, L. Hardell, M.-O. Mattsson and M. Sandström "Internationell konsensus om lågfrekventa magnetiska fält: "Möjligen cancerframkallande" Läkartidningen vol 98, nr 46, pp. 5188 - 5190, 2001.
206. K. Hansson Mild, Y. Hamnerius, L. Hardell, M.-O. Mattsson and M. Sandström "Världshälsoorganisationen klassar magnetfälten som: "Möjligen cancerframkallande" LO-tidningen nr 26, p. 3, 2001.
207. M. Gustavsson, M. Lindgren, S. Galt and Y. Hamnerius "Review of replicated extremely low frequency electromagnetic field cellular experiments" Chalmers Univ. of Technology, Technical Report No 302L, 2002.
208. G. Neubauer, D. Papameletiou, T. Samaras, Y. Hamnerius, J. Wiart, K. Lamedschwandner "Methods to assess exposure of the population next to mobile communication base stations" XXVIIth General Assembly of International Union Radio Science, Proceedings, 2002, Maastricht (The Netherlands) p876.pdf <http://w3.iec.csic.es/URSI/>
209. P.-S. Kildal, Y. Hamnerius, "Accurate measurements of small antennas and radiation from mobile phones in reverberation chambers". URSI 2002. <http://w3.iec.csic.es/URSI/>
210. P.-S. Kildal, Y. Hamnerius, C. Carlsson, J. Carlsson, "Performance of mobile phones located in the vicinity of the human body measured in reverberation chamber". RVK, Stockholm, Sweden, June 10-12, 2002.
211. R. Kopecký, Y. Hamnerius, M. Persson "A detailed dosimetric study of an inner ear exposed to mobile phone radiation". 4 pages, RVK, Stockholm, Sweden, June 10-12, 2002.
212. R. Kopecký, H. Nellström, Y. Hamnerius and M. Persson "Convergence study of the SAR in the inner ear exposed to mobile phone radiation using subgridding method" RF Interactions with Humans: Mechanism, Exposure and Medical Applications, London, UK, Feb. 27-28, 2003.

213. M. Nadeem, Y. Hamnerius and M. Persson "Dosimetry of a typical anti theft device" Abstract book, BEMS 2003, Wailea, Maui, Hawaii, p. 210, 2003.  
<http://www.bioelectromagnetics.org/doc/bems2003-abstracts.pdf>
214. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält" Första årsrapporten från en projektgrupp som tillsatts med anledning av ett regeringsuppdrag till FAS, FAS 2004. Best. nr. 2004-001.  
[http://www.fas.se/upload/dokument/sarskilda\\_omraden/eloverkanslighet/eloverrapp03.pdf](http://www.fas.se/upload/dokument/sarskilda_omraden/eloverkanslighet/eloverrapp03.pdf)
215. M. Olsson, W. Giczi, H. Haider, Y. Hamnerius and G. Neubauer "Impact of the Meteorological Conditions on Field Propagation in the Frequency Range 0.8 – 3 GHz" Abstract Book, BEMS 26 Annual Meeting, 2004 Washington DC. <http://www.bioelectromagnetics.org/doc/bems2004-abstracts.pdf>
216. G. Neubauer, M. Rössli, M. Feychting, Y. Hamnerius, L. Kheifets, N. Kuster, J. Schüz and J. Wiart "Feasibility of Future Epidemiological Studies on Possible Health Effects of Mobile Phone Base Stations" Abstract Book, BEMS 2004 Washington DC pp 16-17.  
<http://www.bioelectromagnetics.org/doc/bems2004-abstracts.pdf>
217. J. Trulsson, G Anger, Y. Hamnerius "Spectral method for measuring exposure to electromagnetic field strength for UMTS base stations" Abstract poster, ICNIRP Conference, Seville, 2004.
218. M. Nadeem, Y. Hamnerius, K. Hansson Mild and M. Persson "Magnetic Field From Spot Welding Equipment - Is the Basic Restriction Exceeded?" Bioelectromagnetics 25, pp 278-284, 2004.
219. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält" Andra årsrapporten från en projektgrupp som tillsatts med anledning av ett regeringsuppdrag till FAS, FAS 2005. Best. nr. 2005-001.  
<http://www.fas.se/upload/dokument/publiktioner/pdf/elarsrapp2.pdf>
220. G. Neubauer, M. Rössli, M. Feychting, Y. Hamnerius, L. Kheifets, N. Kuster, I. Ruiz, J. Schüz, R. Überbacher and J. Wiart "Study on the Feasibility of Epidemiological Studies on Health Effects of Mobile Telephone Base Stations - Final report, ARC-IT- 0124, 139 pages, March 2005.  
[http://www.mobile-research.ethz.ch/var/pub\\_neubauer\\_pref14.pdf](http://www.mobile-research.ethz.ch/var/pub_neubauer_pref14.pdf)
221. G. Neubauer, M. Rössli, M. Feychting, Y. Hamnerius, L. Kheifets, N. Kuster, I. Ruiz, J. Schüz, and J. Wiart "Study on the Feasibility of Future Epidemiological Studies on Health Effects of Mobile Telephone Base Stations: Dosimetric Criteria for an Epidemiological Base Station Study" Abstract WHO meeting on Base Stations Geneva 2005. [http://www.who.int/peh-emf/meetings/archive/neubauer\\_bsw.pdf](http://www.who.int/peh-emf/meetings/archive/neubauer_bsw.pdf)
222. M. Olsson, W. Giczi, H. Haider, Y. Hamnerius and G. Neubauer "Impacts of Meteorological Conditions on the Field Propagation in the Frequency Range from 0.8 to 3 GHz" Abstract CD, BioEM 2005 Dublin. P 274. <http://www.bioelectromagnetics.org/doc/bioem2005-abstracts.pdf>
223. G. Neubauer, M. Rössli, M. Feychting, Y. Hamnerius, L. Kheifets, N. Kuster, I. Ruiz, J. Schüz, J. Wiart. "Feasibility of Future Epidemiological Studies on Health Effects of Mobile Telephone Base Stations" Abstract CD, BioEM 2005 Dublin, pp 102-103.  
<http://www.bioelectromagnetics.org/doc/bioem2005-abstracts.pdf>
224. Y. Hamnerius "Assessment of Radio Frequency Exposure from WLAN" In XXVIIIth General Assembly of International Union Radio Science (URSI), KAE.3(01302).pdf, New Delhi, India Oct 23-29, 2005. [http://www.ursi.org/Proceedings/ProcGA05/pdf/KAE.3\(01302\).pdf](http://www.ursi.org/Proceedings/ProcGA05/pdf/KAE.3(01302).pdf)
225. R Kopecký, Y Hamnerius, and M Persson "Study of Sub-gridding in SAR Computation for the Cochlea" Bioelectromagnetics 26, pp 520-522, 2005.
226. Y. Hamnerius and M. Persson "How to determine compliance with the directive's exposure limits values (ICNIRP basic restrictions) for electric welding" Proceedings Int. Workshop on Electromagnetic Fields in the Workplace 5 – 7 Sept 2005 Warszawa session 5 pp 7 – 11.
227. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält" Tredje årsrapporten från en projektgrupp som tillsatts med anledning av ett regeringsuppdrag till FAS, FAS 2006. Best. nr. 2006-001.  
<http://www.fas.se/upload/dokument/publiktioner/pdf/elarsrapp3.pdf>



228. G. Neubauer, P. Preiner, A. Diez de los Rios and Y. Hamnerius "Protocols for the in situ assessment of exposures from mobile telephone base stations", Austrian Research Center Report ARC-IT 0149, 57 pages, March 2006.
229. E. Salinas, J. Atalaya, Y. Hamnerius, D. G. Chávez, C. Contreras, C. L. Chinchay, M. A. Sumari, M. Rezinkina "Mitigation of 16 2/3 Hz Magnetic Fields Originated from a Railway System Using Scaling Rules and 3D Propagation of Eddy Currents" Abstract, PIERS 2006-TOKYO, Progress In Electromagnetics Research Symposium, August 2-5, 2006, Tokyo, Japan
230. M. Rösli, M. Feychting, Y. Hamnerius, L. Kheifets, N. Kuster, I. Ruiz, J. Schüz, J. Wiart, G. Neubauer "Feasibility of future epidemiological studies on possible health effects of mobile phone base stations" Abstract International Conference on Environmental Epidemiology & Exposure 2 – 6 Sept. 2006, la Vilette Conference Centre, Paris. Epidemiology. **17**(6) Suppl:S74, November 2006.
231. T. Thorlin J.-M. Rouquette, Y. Hamnerius, E. Hansson, M. Persson, U. Björklund, L. Rosengren, L. Rönnbäck and M. Persson "Exposure of Cultured Astroglial and Microglial Brain Cells to 900 MHz Microwave Radiation" Radiation Research **166**, 409–421 (2006).  
<http://www.rjournal.org/perlserv/?request=get-abstract&doi=10.1667%2FRR3584.1>
232. Y. Hamnerius "How to determine compliance with the directive's exposure limit values for workers" Abstract COST 281 / EMF-NET seminar on The Role of Dosimetry in High-Quality EMF Risk Assessment Ljubljana, Slovenia September, 13 2006; Zagreb, Croatia September 14 – 15 2006. [http://www.cost281.org/documents.php?node=145&dir\\_session=](http://www.cost281.org/documents.php?node=145&dir_session=)
233. E. Salinas, J. Atalaya, Y. Hamnerius, J. Solano, D. Gonzales, C Contreras, C. Chinchay, M.A. Sumari, S. Dimitriou and M. Rezinkina "A new technique for reducing extremely low frequency magnetic field emissions affecting large building structures" 4<sup>th</sup> International Workshop on Biological effects of Electromagnetic Fields, 10 pages, Oct. 16-20, 2006, Crete, Greece.
234. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält" Fjärde årsrapporten från en projektgrupp som tillsatts med anledning av ett regeringsuppdrag till FAS, FAS 2007. Best. nr. 2007-001.  
<http://www.fas.se/upload/dokument/publiaktioner/pdf/elover4ar.pdf>
235. G. Neubauer, M. Feychting, Y. Hamnerius, L. Kheifets, N. Kuster, I. Ruiz, J. Schüz, R. Uberbacher, J. Wiart and M. Rösli "Feasibility of Future Epidemiological Studies on Possible Health Effects of Mobile Phone Base Stations" Bioelectromagnetics, 28(3), pp 224 - 230, 2007.  
<http://www3.interscience.wiley.com/cgi-bin/fulltext/113448948/PDFSTART>
236. Y. Hamnerius "Uncertainties in assessment of worker exposure of low frequency electric and magnetic fields". In Book of abstracts WHO/ICNIRP/EMF-NET Joint Workshop "Current Trends in Health & Safety Assessment of Work-Related Exposure to EMFs", Milan, Italy, 14-16 February 2007, 3 pages. <http://www.icnirp.de/Joint/HamneriusAbstract.pdf>
237. Y Hamnerius and J. Cedergren "Contact currents induced by electric fields in 400 kV substations" Book of abstracts EBEA 2007, The 8<sup>th</sup> Congress of the European BioElectromagnetics Association, Bordeaux 10 – 13 April, 2007.  
<http://ebea.adera.fr/upload/abstract-new-19.03.2007/157/157-EBEA2007.pdf>
238. Y. Hamnerius, R. Mohammad, J. Trulsson, P. Haglind and I. Sjöberg "Exposure from mobile phone systems in large crowds" Abstract BEMS 2007, BioElectromagnetics Society Annual meeting, Kanazawa, Japan, June 2007, p 101 - 103.  
<http://www.bioelectromagnetics.org/doc/bems2007-abstracts.pdf>
239. E. Salinas, J. Atalaya, Y. Hamnerius, J. Solano, D. Gonzales, C Contreras, C. Leon, M.A. Sumari, S. Dimitriou and M. Rezinkina "A new technique for reducing extremely low frequency magnetic field emissions affecting large building structures" Environmentalist, 2007, 27, 571-576.  
<http://www.springerlink.com/content/qu71j67268039677/?p=12bfd2f47a004734bdf7f0a914f73521&pi=0> <http://www.springerlink.com/content/qu71j67268039677/fulltext.pdf>
240. M. Johansson, J. Alonso Macias, Y. Hamnerius, and M. Persson "Modeling of Electromagnetic Sources with Huygens Principle" PIERS 2007, Progress In Electromagnetic Research Symposium 2007, Prague, Czech Republic, August 27-30 Abstracts p. 375.

- <http://piers.mit.edu/piersproceedings/piers2k7Prague.php?searchname=hamnerius>
241. Y. Hamnerius "Meeting the European Union directive limits on induced currents and contact currents in high voltage switch yards" XIV National Congress of the Polish Radiation Research Society. Kielce, Poland, September 24- 26, 2007, Book of abstracts, pp 44 – 45.
  242. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält 2008" Stockholm : Forskningsrådet för arbetsliv och socialvetenskap., (2008-001) pp. 31.
  243. Y. Hamnerius and J. Cedergren "Measurements of contact currents induced by electric fields in high voltage substations" BEMS 2008, BioElectromanetics Society Annual Meeting, San Diego, Ca, USA, June 2008, pp 175-176.
  244. Y. Hamnerius "Measurement of human exposure from emerging wireless technologies" 5<sup>th</sup> International Workshop on Biological Effects of Electromagnetic Fields. September 28th - October 2nd 2008, Città del Mare, Terrasini, Palermo, Italy, pp. 6.
  245. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält; Sjätte årsrapporten" Stockholm : Forskningsrådet för arbetsliv och socialvetenskap., (2009-001) pp. 29.  
[http://www.fas.se/upload/dokument/publiktioner/pdf/FAS%20EMF%2008%20\(2009\).pdf](http://www.fas.se/upload/dokument/publiktioner/pdf/FAS%20EMF%2008%20(2009).pdf)
  246. Y. Hamnerius "Measurement of human exposure from emerging wireless technologies" Environmentalist 29, pp. 118–123 (2009).  
<http://www.springerlink.com/content/fl24w126784q7543/fulltext.pdf>
  247. M. Johansson, Y. Hamnerius and M. Persson "Work exposure to electromagnetic fields" Proceedings of The 11<sup>th</sup> International Conference on Electromagnetics in Advanced Applications. Torino September 14 to 18, 2009, pp 548 – 551.
  248. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält; Sjunde årsrapporten" Stockholm : Forskningsrådet för arbetsliv och socialvetenskap., (2010-001) pp. 25.  
<http://www.fas.se/upload/dokument/publiktioner/pdf/eloverrapp08.pdf>
  249. A. Ahlbom, M. Feychting, Y. Hamnerius and L. Hillert "Forskning om elöverkänslighet och andra effekter av elektromagnetiska fält; Åttonde årsrapporten" Stockholm : Forskningsrådet för arbetsliv och socialvetenskap., (2011-001) pp. 21. <http://www.fas.se/sv/Bokhandel/Folkhalsaoch-levnadsvillkor/Forskning-om-eloverkanslighet-och-andra-effekter-av-elektromagnetiska-falt-Attonde-arsrapporten/>
  250. Y. Hamnerius<sup>1</sup>, S. Atefi, A. Eslami, M. Hopeson, A. Khan, G. Silva, and J. Estenberg "Distribution of ELF magnetic fields in Swedish dwellings" 2011 URSI XXX General Assembly, proceedings 4 pp.