

List of publications of Johan Gyselinck

List fulfilling the [Guide for applicants 2019](#)'s requirements

1. Published works, as an author, a co-author or a publisher

1. **Gyselinck, J.** (2000). *Two-dimensional dynamical finite-element modelling of static and rotating electromagnetic energy converters (PhD, in Dutch): Twee-dimensionale dynamische eindige-elementenmodellering van statische en roterende elektromagnetische energieomzetters*.
https://dipot.ulb.ac.be/dspace/bitstream/2013/185497/1/2000_PhD_JGyselinck_396p_in_Dutch.pdf

3. Articles published in peer-review journals

1. Ciceo, S., De Morisson Faria, C. F., **Gyselinck, J.**, & Martis, C. (2018, June). Multi-Attribute, System-Level Design Process for Automotive Powertrain Electric Drives: An Integrated Approach *SAE International Journal of Alternative Powertrains*, 7(2). doi:10.4271/08-07-02-0007
2. Sabariego, R., Niyomsatian, K., & **Gyselinck, J.** (2018, March). Eddy-current-effect homogenization of windings in harmonic-balance finite-element models coupled to nonlinear circuits *IEEE transactions on magnetics*, 54(3), 8057577. doi:10.1109/TMAG.2017.2750243
3. Pels, A., **Gyselinck, J.**, Sabariego, R., & Schops, S. (2018, March). Solving nonlinear circuits with pulsed excitation by multirate partial differential equations *IEEE transactions on magnetics*, 54(3), 8071149. doi:10.1109/TMAG.2017.2759701
4. Nesci Soares, M., Mollet, Y., Kinnaert, M., Helsen, J., & **Gyselinck, J.** (2018). Robust Power-Electronic-Converter Fault Detection and Isolation Technique for DFIG Wind Turbines *Journal of physics. Conference series*, 1037(3), 032043. doi:10.1088/1742-6596/1037/3/032043
5. Ge, Y., Song, B., Pei, Y., Mollet, Y., & **Gyselinck, J.** (2018). A fuzzy logic based method for fault tolerant hierarchical load management of more electric aircraft *Proceedings of the Institution of Mechanical Engineers. Part G, Journal of aerospace engineering*. doi:10.1177/0954410018807598
6. Pop, A.-C., **Gyselinck, J.**, Pinto, D., & Vintiloiu, I. (2017, December). Optimization of Low-Power Brushless PM-Machines for Automotive Applications with Focus on High-Volume Mass Production *IEEE transactions on industrial electronics*, 64(12), 7946135, 9767-9775. doi:10.1109/TIE.2017.2698367
7. Guerin, C., Jacques, K., Sabariego, R., Dular, P., Geuzaine, C., & **Gyselinck, J.** (2017, September). Using a Jiles-Atherton vector hysteresis model for isotropic magnetic materials with the finite element method, Newton-Raphson method, and relaxation procedure *International journal of numerical modelling*, 30(5), e2189. doi:10.1002/jnm.2189

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8. Sabariego, R., & **Gyselinck, J.** (2017, June). Eddy-Current-Effect Homogenization of Windings in Harmonic-Balance Finite-Element Models *IEEE transactions on magnetics*, 53(6), 7866873. doi:10.1109/TMAG.2017.2675962
9. Bottesi, O., Alberti, L., Sabariego, R., & **Gyselinck, J.** (2017, May). Finite Element Small-Signal Simulation of Electromagnetic Devices Considering Eddy Currents in the Laminations *IEEE transactions on magnetics*, 53(5), 7840021. doi:10.1109/TMAG.2017.2664050
10. Nascimento, C. F., Watanabe, E. E., Diene, O., Dietrich, Á. B. A., Goedel, A., **Gyselinck, J.**, & Dias, R. F. S. (2017, April). Analysis of Noncharacteristic Harmonics Generated by Voltage-Source Converters Operating under Unbalanced Voltage *IEEE transactions on power delivery*, 32(2), 7517223, 951-961. doi:10.1109/TPWRD.2016.2593684
11. Geury, T., Pinto, S., & **Gyselinck, J.** (2016, December 01). Assessment of grid-side filters for three-phase Current-Source Inverter PV systems *International review of electrical engineering*, 11(6), 567-578. doi:https://doi.org/10.15866/iree.v11i6.10205
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12. Mollet, Y., Sarrazin, M., van der Auweraer, H., & **Gyselinck, J.** (2016, March 09). Noise and vibrations of switched reluctance machine drives - influence of the current hysteresis control *Electrotehnica, electronica, automatica. Electrotehnica*, 64(1), 33-41.
https://dipot.ulb.ac.be/dspace/bitstream/2013/228561/3/EEA_ICPE_postprint.pdf
13. **Gyselinck, J.**, Dular, P., Krähenbühl, L., & Sabariego, R. (2016, March). Finite-Element Homogenization of Laminated Iron Cores with Inclusion of Net Circulating Currents Due to Imperfect Insulation *IEEE transactions on magnetics*, 52(3), 7209104. doi:10.1109/TMAG.2015.2488038
14. Jacques, K., Sabariego, R., Geuzaine, C., & **Gyselinck, J.** (2016, March). Inclusion of a Direct and Inverse Energy-Consistent Hysteresis Model in Dual Magnetostatic Finite-Element Formulations *IEEE transactions on magnetics*, 52(3), 7300304. doi:10.1109/TMAG.2015.2490578
<https://dipot.ulb.ac.be/dspace/bitstream/2013/233958/3/MAGCON-15-07-1293.pdf>
15. Geury, T., Pinto, S., & **Gyselinck, J.** (2015, December 28). Current Source Inverter-Based PV System with Enhanced Active Filtering Functionalities *IET Power Electronics*, 8(12), 2483-2491. doi:10.1049/iet-pel.2014.0814
https://dipot.ulb.ac.be/dspace/bitstream/2013/230763/3/Paper_Journal_Thomas_Geury_IET_postprint.pdf
16. De Gréve, Z., Dular, P., **Gyselinck, J.**, Geuzaine, C., Deblecker, O., & Lobry, J. (2015, March). Refinement of homogenized magnetodynamic models of wound inductors using

finite-element subproblems *IEEE transactions on magnetics*, 51(3), 7093451. doi:10.1109/TMAG.2014.2364718

17. Fabio, D. S., Jan, A., F., N., **Gyselinck, J.**, van der Auweraer, H., & Luiz, G. (2014). Multiphysics NVH modeling: simulation of a switched reluctance motor drivetrain for an electric vehicle *IEEE transactions on industrial electronics*, 61(1), 469-476.
https://dipot.ulb.ac.be/dspace/bitstream/2013/152333/1/2014_dosSantos_multiphysics_NVH_Modeling_SRM_EV_8p_PP.pdf
18. Alberti, L., Bianchi, N., Morandin, M., & **Gyselinck, J.** (2014). Finite-element analysis of electrical machines for sensorless drives with high-frequency signal injection *IEEE transactions on industry applications*, 50(3), 6634231, 1871-1879. doi:10.1109/TIA.2013.2285957
https://dipot.ulb.ac.be/dspace/bitstream/2013/183645/1/2014_Alberti_9p_sensorless_highfrequency_pubprint.pdf
19. Meinguet, F., Semail, E., Kestelyn, X., Mollet, Y., & **Gyselinck, J.** (2014). A change-detection algorithm for short-circuit fault detection in closed-loop AC drives *IET Electric Power Applications*, 8(5), 165-177. doi:10.1049/iet-epa.2012.0316
https://dipot.ulb.ac.be/dspace/bitstream/2013/149663/1/Meinguet_L2EP_IET_Power_Applications_2013_semail.pdf
20. Sabariego, R., Geuzaine, C., Dular, P., & **Gyselinck, J.** (2012). Time-domain surface impedance boundary conditions enhanced by coarse volume finite-element discretisation *IEEE transactions on magnetics*, 48(2), 6136746, 631-634. doi:10.1109/TMAG.2011.2172923
https://dipot.ulb.ac.be/dspace/bitstream/2013/169158/1/2012_IEEE_RVS_Compumag_SIBC_hybrid_pubprint.pdf
21. Pop, A.-C., Petrus, V., Martis, C., Iancu, V., & **Gyselinck, J.** (2012). Comparative study of different torque sharing functions for losses minimization in Switched Reluctance Motors used in electric vehicles propulsion *Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM.*, 6231852 356-365. doi:10.1109/OPTIM.2012.6231852
https://dipot.ulb.ac.be/dspace/bitstream/2013/171521/1/2012_OPTIM_Pop_10p_TSFs.pdf
22. Petrus, V., Pop, A.-C., Martis, C., Iancu, V., & **Gyselinck, J.** (2012). Direct instantaneous torque control of SRMs versus current profiling - Comparison regarding torque ripple and copper losses *Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM.*, 6231849 366-372. doi:10.1109/OPTIM.2012.6231849
23. Petrus, V., Pop, A.-C., Martis, C., Iancu, V., & **Gyselinck, J.** (2011). Comparative study of different current control techniques for a 4-phase 8/6 switched reluctance machine *Journal of Electrical and Electronics Engineering*, 4(1), 173-178.
24. Pop, A.-C., Petrus, V., Martis, C., Iancu, V., & **Gyselinck, J.** (2011). On the firing angles control of a 8/6 switched reluctance machine *Journal of Electrical and Electronics Engineering*, 4(1), 189-194.
25. **Gyselinck, J.**, Dular, P., Sadowski, N., Kuo-Peng, P., & Sabariego, R. (2010, August). Homogenization of form-wound windings in frequency and time domain finite-element

modeling of electrical machines *IEEE transactions on magnetics*, 46(8), 5512960, 2852-2855. doi:10.1109/TMAG.2010.2043515

26. Sabariego, R., Dular, P., Geuzaine, C., & **Gyselinck, J.** (2010, August). Surface-impedance boundary conditions in dual time-domain finite-element formulations *IEEE transactions on magnetics*, 46(8), 5512867, 3524-3531. doi:10.1109/TMAG.2010.2043234
27. **Gyselinck, J.**, Dular, P., Sadowski, N., Kuo-Peng, P., & Sabariego, R. (2010). Homogenization of form-wound windings in frequency and time domain finite element modelling of electrical machines *IEEE transactions on magnetics*, 46, 2852-2855. https://dipot.ulb.ac.be/dspace/bitstream/2013/72001/3/2010_IEEE_JG_homog_form-wound_windings_machine_PP.pdf
28. Sabariego, R., Sergeant, P., Dular, P., Dupré, L., **Gyselinck, J.**, & geuzaine, C. (2010). Finite-element analysis of a shielded pulsed-current induction heater-experimental validation of a time-domain thin-shell approach *Compel*, 29(6), 1585-1595. doi:10.1108/03321641011078652 https://dipot.ulb.ac.be/dspace/bitstream/2013/72018/1/2010_COMPEL_RVS_shieldedheater_TDthinshell_PP.pdf
29. **Gyselinck, J.**, Dular, P., Geuzaine, C., & Sabariego, R. (2009). Surface-impedance boundary conditions in two-dimensional time-domain finite-element calculations using the magnetic-vector-potential formulation *IEEE transactions on magnetics*, 45, 1280-1283.
30. Sabariego, R., geuzaine, C., Dular, P., & **Gyselinck, J.** (2009). Nonlinear time-domain finite-element modelling of thin electromagnetic shells *IEEE transactions on magnetics*, 45, 976-979. https://dipot.ulb.ac.be/dspace/bitstream/2013/72020/1/2009_IEEE_RVS_cefc_shell_TD_NL_PP.pdf
31. **Gyselinck, J.**, Sabariego, R., Dular, P., & Geuzaine, C. (2008, June). Time-domain finite-element modeling of thin electromagnetic shells *IEEE transactions on magnetics*, 44(6), 4526879, 742-745. doi:10.1109/TMAG.2008.915782
32. **Gyselinck, J.**, Sabariego, R., & Dular, P. (2008). Time-domain finite-element modelling of thin electromagnetic shells *IEEE transactions on magnetics*, 44, 742-745. https://dipot.ulb.ac.be/dspace/bitstream/2013/72004/1/2008_IEEE_JG_compumag_Thin_Shells_PP.pdf
33. Sabariego, R., geuzaine, C., Dular, P., & **Gyselinck, J.** (2008). H- and A- formulations for the time-domain modelling of thin electromagnetic shells *I E T Science, Measurement and Technology*, 2(6), 402-408.
34. Sabariego, R., **Gyselinck, J.**, & Dular, P. (2008). Time-domain homogenization of windings in three-dimensional finite element models *IEEE transactions on magnetics*, 44, 1302-1305. https://dipot.ulb.ac.be/dspace/bitstream/2013/72023/1/2008_IEEE_RVS_compumag_Homo_Windings_3D_postprint.pdf

35. Degroote, L., Vandeveldel, L., Renders, B., & **Gyselinck, J.** (2008). Nonlinear transformer model in the frequency domain and with symmetrical components *Compel*, 27(6), 1418-1437.
36. Sabariego, R., geuzaine, C., Dular, P., & **Gyselinck, J.** (2008). H- and a-formulations for the time-domain modelling of thin electromagnetic shells *I E T Science, Measurement and Technology*, 2(6), 402-408. doi:10.1049/iet-smt:20080078
37. **Gyselinck, J.**, Sabariego, R., & Dular, P. (2007). Time-domain homogenization of windings in three-dimensional finite element models *IEEE transactions on magnetics*, 43, 1297-1300.
38. Dular, P., Sabariego, R., **Gyselinck, J.**, & Krähenbühl, L. (2007). Sub-domain finite element method for efficiently considering strong skin and proximity effects *Compel*, 26(4), 974-985.
39. **Gyselinck, J.**, Sabariego, R., & Dular, P. (2007). Time-domain homogenization of windings in 2-D finite element models *IEEE transactions on magnetics*, 43(4), 1297-1300. doi:10.1109/TMAG.2007.892408
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40. **Gyselinck, J.**, Sabariego, R., & Dular, P. (2006). A nonlinear time domain homogenisation technique for laminated iron cores in three-dimensional finite element models *IEEE transactions on magnetics*, 42(4), 763-766.
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41. **Gyselinck, J.**, & López-Fernández, X. (2006). Frequency and time domain homogenization of laminated magnetic cores and windings in FE models of high-frequency electromagnetic devices *Compel*, 25(4), 779-791.
42. **Gyselinck, J.**, & López-Fernández, X. (2006). Inclusion of inter-bar currents in multi-slice FE modelling of induction motors - influence of inter-bar resistance and skew discretisation *Compel*, 25(2), 452-464.
43. Benabou, A., Vanden Bossche, L., **Gyselinck, J.**, Clénet, S., Dupré, L., & Dular, P. (2006). Inclusion of stress-dependent Preisach model in 2D FE calculations *Compel*, 25(1), 81-90.
44. Dular, P., **Gyselinck, J.**, & Krähenbühl, L. (2006). A time-domain finite element homogenization technique for lamination stacks using skin effect sub-basis functions *Compel*, 25(1), 6-16.
45. Sabariego, R., Sergeant, P., **Gyselinck, J.**, Dular, P., Dupré, L., & Melkebeek, J. (2006). Fast multipole accelerated finite element – boundary element analysis of shielded induction heaters *IEEE transactions on magnetics*, 42(4), 1407-1410. doi:10.1109/TMAG.2006.871974

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47. Pulnikov, A., Decocker, R., Permiakov, V., Dupré, L., Vandeveldel, L., Petrov, R., Melkebeek, J., Houbaert, Y., **Gyselinck, J.**, & Wisselink, H. (2005, April). The relation between the magnetostriction and the hysteresis losses in the non-oriented electrical steels *Journal of magnetism and magnetic materials*, 290(2), 1454-1456.
48. **Gyselinck, J.**, & Dular, P. (2005). Frequency-domain homogenisation of bundles of wires of arbitrary cross-section in 2D magnetodynamic FE calculations *IEEE transactions on magnetics*, 41(5), 1416-1419.
49. Dular, P., & **Gyselinck, J.** (2005). Dual finite element formulations for lumped reluctances coupling *IEEE transactions on magnetics*, 41(5), 1396-1399. doi:10.1109/TMAG.2005.844348
50. Pulnikov, A., Permiakov, V., Dupré, L., **Gyselinck, J.**, Petrov, R., Wisselink, H., Dular, P., & Melkebeek, J. (2005). The effect of the assembling stresses on the parameters of a low power induction motor *Przeglad Elektrotechniczny*, 81(5), 73-78.
51. **Gyselinck, J.**, & Dular, P. (2005). Frequency-domain homogenization of bundles of wires in 2-D magnetodynamic FE calculations *IEEE transactions on magnetics*, 41(5), 1416-1419. doi:10.1109/TMAG.2005.844534
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53. **Gyselinck, J.**, geuzaine, C., Dular, P., & Legros, W. (2004). Multi-harmonic modelling of motional magnetic field problems using a hybrid finite element – boundary element discretisation *Journal of computational and applied mathematics*, 168(1-2), 225-234.
54. **Gyselinck, J.**, & Dular, P. (2004). Lumped low-order time-domain model of eddy current effects in laminated cores *International journal of applied electromagnetics and mechanics*, 19, 281-285.
55. **Gyselinck, J.**, Dular, P., Sadowski, N., Leite, J., & Bastos, J. (2004). Incorporation of a Jiles-Atherton vector hysteresis model in 2D FE magnetic field computations – application of the Newton-Raphson method *Compel*, 23(3), 685-693.
56. **Gyselinck, J.**, Dular, P., geuzaine, C., & Legros, W. (2004). 2D harmonic balance finite element modelling of electromagnetic devices coupled to nonlinear circuits *Compel*, 23(2), 800-812.
57. **Gyselinck, J.**, & Dular, P. (2004). A time domain homogenisation technique for laminated iron cores in three-dimensional finite element models *IEEE transactions on magnetics*, 40(2), 856-859.

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58. De Gersem, H., **Gyselincx, J.**, Dular, P., Hameyer, K., & Weiland, T. (2004). Comparison of sliding-surface and moving-band techniques in frequency-domain finite-element models of rotating machines *Compel*, 23(4), 1006-1014.
59. Sabariego, R., **Gyselincx, J.**, geuzaine, C., Dular, P., & Legros, W. (2004). Application of the fast multi-pole method to hybrid finite element – boundary element models *Journal of computational and applied mathematics*, 168, 403-412.
60. Sabariego, R., **Gyselincx, J.**, Dular, P., De Coster, J., Henrotte, F., & Hameyer, K. (2004). Coupled mechanical-electrostatic FE-BE analysis of a shunt capacitive MEMS switch *Compel*, 23(4), 876-884.
61. Dular, P., **Gyselincx, J.**, Zeidan, T., & Krähenbühl, L. (2004). Finite element modelling of stacked thin regions with non-zero global currents *Compel*, 23(3), 707-714.
62. Sabariego, R., **Gyselincx, J.**, Dular, P., geuzaine, C., & Legros, W. (2004). Fast multipole acceleration of the hybrid finite element-boundary element analysis of 3D eddy current problems *IEEE transactions on magnetics*, 40(2), 1278-1281.
63. Vandeveldel, L., **Gyselincx, J.**, De Wulf, M., & Melkebeek, J. (2004). Finite element computation of the deformation of ferromagnetic material taking into account magnetic forces and magnetostriction *IEEE transactions on magnetics*, 40(2), 565-568.
64. Dular, P., & **Gyselincx, J.** (2004). Modeling of 3D stranded inductors with the magnetic vector potential formulation and spatially dependent turn voltages of reduced support *IEEE transactions on magnetics*, 40(2), 1298-1301.
65. **Gyselincx, J.**, Vandeveldel, L., Melkebeek, J., & Dular, P. (2004). Complementary two-dimensional finite element formulations with inclusion of a vectorized Jiles-Atherton model *Compel*, 23(4), 959-967. doi:10.1108/03321640410553382
66. **Gyselincx, J.**, Grenier, D., Dular, P., & Legros, W. (2003). Hybrid magnetic equivalent circuit – finite element modelling of transformer fed electrical machines *Compel*, 22(3), 643-658.
67. **Gyselincx, J.**, Vandeveldel, L., Oliveira, A., Dular, P., Melkebeek, J., & Kuo-Peng, P. (2003). Two-dimensional harmonic balance finite element modelling of electrical machines taking motion into account *Compel*, 22(4), 1021-1036.
68. Sabariego, R., **Gyselincx, J.**, geuzaine, C., Dular, P., & Legros, W. (2003). Application of the fast multipole method to the finite element – boundary element analysis of electromechanical devices *Compel*, 22(3), 659-673.
69. Dular, P., **Gyselincx, J.**, geuzaine, C., Sadowski, N., & Bastos, J. (2003). A 3D magnetic vector potential formulation for taking eddy currents in lamination stacks into account *IEEE transactions on magnetics*, 39(3), 1424-1427.

70. Vandeveldel, L., **Gyselinck, J.**, Bokose, F., & Melkebeek, J. (2003). Vibrations of magnetic origin of switched reluctance motors *Compel*, 22(4), 1009-1020.
71. **Gyselinck, J.**, Vandeveldel, L., Dular, P., geuzaine, C., & Legros, W. (2003). A general method for the frequency domain FE modelling of rotating electromagnetic devices *IEEE transactions on magnetics*, 39(3), 1147-1150.
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74. **Gyselinck, J.**, Vandeveldel, L., & Melkebeek, J. (2001). Multi-slice FE modelling of electrical machines with skewed slots – the skew discretisation error *IEEE transactions on magnetics*, 37(5), 3233-3237.
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75. Vilmer, E., Suci, S., Ferster, A., Bertrand, Y., Cavé, H., Thyss, A., Benoît, Y., Dastugue, N., Fournier, M., Souillet, G., Manel, A.-M., Robert, A., Nelken, B., Millot, F., Lutz, P., Riolland, X., Mechinaud, F., Boutard, P., Behar, C., Chantraine, J. M., Plouvier, E., Laureys, G., Brock, P., Uytbroeck, A., Margueritte, G., Plantaz, D., Norton, L., Francotte, N., **Gyselinck, J.**, Waterkeyn, C., Solbu, G., Philippe, N., & Otten, J. (2000, December). Long-term results of three randomized trials (58831, 58832, 58881) in childhood acute lymphoblastic leukemia: a CLCG-EORTC report. *Children Leukemia Cooperative Group. Leukemia*, 14(12), 2257-2266.
76. **Gyselinck, J.**, Vandeveldel, L., Makaveev, D., & Melkebeek, J. (2000). Calculation of no load losses in an induction motor using an inverse vector Preisach model and an eddy current loss model *IEEE transactions on magnetics*, 36(4), 856-860.
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78. Martis, C., **Gyselinck, J.**, Radulescu, M., & Biro, K. (1999). Static and dynamic performances of a variable reluctance permanent-magnet small motor *Buletinul Institutului Politehnic din Iași*, 45(5B), 196-201.
79. Dular, P., **Gyselinck, J.**, Henrotte, F., Legros, W., & Melkebeek, J. (1999). Complementary finite element magnetodynamic formulations with enforced magnetic fluxes *Compel*, 18(4), 656-667.

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81. Dupré, L., **Gyselinck, J.**, & Melkebeek, J. (1998). Complementary finite element methods in 2D magnetics taking into account a vector Preisach model *IEEE transactions on magnetics*, 34(5), 3048-3051.
82. Vandeveldel, L., **Gyselinck, J.**, & Melkebeek, J. (1998). Long-range magnetic force and deformation calculation using the 2D finite element method *IEEE transactions on magnetics*, 34(5), 3540-3543.

4. Articles published in conference proceedings

1. Sabariego, R., geuzaine, C., Dular, P., & **Gyselinck, J.** (2011). Time-domain surface impedance boundary conditions enhanced by coarse volume finite-element discretisation Abstract session presented at Conference on the Computation of Electromagnetic Fields(18: 12-15 July 2011: Sydney, Australia).
2. Meinguet, F., & **Gyselinck, J.** (2011). Fault detection and fault-tolerant control of three-phase AC drive with current sensor failure Abstract session presented at International Electric Machines and Drives Conference(15-18 May 2011: Niagara Falls).
3. Petrus, V., Pop, A., Martis, C., **Gyselinck, J.**, & Iancu, V. (2011). Magnetic characterization of a Switched Reluctance Motor Abstract session presented at International Conference and Exhibition on Ecological Vehicles and Renewable Energies(31 March - 3 April 2011: Monte-Carlo, Monaco).
4. Meinguet, F., Kestelyn, X., Semail, E., & **Gyselinck, J.** (2011). Fault detection, isolation and control reconfiguration of three-phase PMSM drives Abstract session presented at IEEE Symposium on Industrial Electronics(20: 27-30 June 2011: Gdansk, Poland).
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97. Vandeveld, L., **Gyselincq, J.**, De Wulf, M., & Melkebeek, J. (2003). Finite element computation of the deformation of ferromagnetic material taking into account magnetic forces and magnetostriction Abstract session presented at Conference on the Computation of Electromagnetic Fields(14: 13-18 July 2003: Saratoga Springs, New York, USA).
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141. **Gyselinck, J.** (1995). Dynamische simulatie van elektrische machines met de eindige elementenmethode Abstract session presented at (4 December 1995: Ghent University).
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5. Oral presentations during conferences, which include a review committee

1. Vandeveld, L., **Gyselinck, J.**, & Melkebeek, J. (1998). *Modelling of magnetodynamic problems* Paper session presented at Computer aided design in magnetics - a short course (22-24 June 1998: K.U. Leuven, Leuven, Belgium).