

## EXPERIENCES

**Senior geophysicist** - Geological Survey of Norway (NGU) ->10/2005-  
Present

- Setting up research projects for the oil industry and/or governmental institutions
- Acquisition, processing and interpretation of new aeromagnetic surveys in the Norwegian-Greenland Sea, Barents Sea and Mid-Norwegian margin areas
- Integrated studies seismics/potential fields
- PhD and post-doc supervision

**Research fellow (post-doc)** -University College Dublin -> 08/2003-  
08/2005

- Tectonic investigation of the Irish margins-Integrated study, seismic interpretation

**Consultant** - Volcanic Basin Petroleum Research -> 05/2003-08/2003

- Contribution to the VBPR-TGS geophysical atlas of the Barents Sea

**Structural/regional geologist** – New ventures-Total Exploration Norge -> 09/1999-  
06/2002

## EDUCATION

**2002: Ph.D marine and petroleum geology** (with honours)

- Extension and magmatism in a volcanic margin context: deformation and structure of the outer Norwegian margin. University of Brest. Funded by Total Norge

**1998: Master Marine Geosciences**, Brest University (3rd)

- Remote sensing and study of polyphased rift systems: Remote sensing study of the Kilombero Graben, Tanzania. 3D-3G: North Sea-African Rift analogue Project". Funded by Elf Petroleum Norge

### **1996-1997: B.S, Rennes University**

- Tectonic and dynamics of sedimentary basins

### **KEY RESEARCH TOPICS-INTERETS**

- Geodynamic, tectonic and structural geology of Arctic and North Atlantic regions
- Evolution of volcanic rifted margins, volcano-stratigraphy, microcontinent formation
- Lithospheric rupture, continent ocean transition, oceanic accretion
- Structure and potential field signature of salt related features
- Sedimentary basin analysis and modeling, petroleum geology
- Seismic interpretation, integrated studies
- Potential field modeling and interpretation (gravity and magnetic)

### **SKILLS**

- 2D/3D seismic interpretation (Charisma, Seisvision, SMT Kingdom Suite, OpendTect, Petrel)
- Depth conversion software (EasyDepth, Turbomig)
- Structural modeling (Geosec, Move, Dynel)
- Geodynamic and petroleum system modeling (MARGE, developed by F. Lucazeau, IPGP)
- Gravity/Magnetic modelling (Oasis Montaj, GM-SYS 2D/3D)
- Mapping/GIS (Surfer, Digger, GMT, Mapinfo, ARCGIS)
- MS Office, Adobe Illustrator, Freehand, Photoshop, Windows/Linux conversant
- English (fluent), French (mother tongue), Norwegian (beginner)

### **MEMBERSHIPS-REVIEWING-EDITORING**

- European Association of Geoscientist & Engineers (EAGE)
- Norsk Geologisk Forening (NGF) - Geological Society of Norway

- Reviewer for Tectonophysics, Journal of the geological Society of London, Geophysical Journal International
- Co-editor Tectonophysics, special issue 2009 volume 468: Role of magmatism in continental lithosphere extension

## PROJECTS

- 2011-2012: Lofoten - Vesterålen Aeromagnetic Survey LOVAS
- 2011-2012: Jan Mayen Survey 2011-2012 (JAS-11): project leader and PI
- 2008-2011: Breakup and Microcontinent formation: Investigation of the Jan Mayen and conjugate margins system: project leader and co-PI, funded by NGU and Statoil
- 2009-2010: Barents Sea interpretation project: project leader and PI, funded by Det norske oljeselskap ASA. Confidential
- 2009-2010 Aeromagnetic survey BASAR-09, Barents Sea: processing and interpretation: co-PI, project funded by Det norske oljeselskap ASA, ENI Norge, NGU, the Norwegian Petroleum Directorate and Statoil Hydro
- 2008-2009 Aeromagnetic survey BASAR-08, Barents Sea: processing and interpretation: co-PI, project funded by Det norske oljeselskap ASA, ENI Norge, the Norwegian Petroleum Directorate, NGU and Statoil Hydro
- 2007-2008 Aeromagnetic survey NB-07, Norway Basin: processing and interpretation: PI, funded by NGU, Norske Shell, the Norwegian Petroleum Directorate and Statoil
- 2006-2007 Aeromagnetic survey BAS-06 Nordkapp Basin: processing and interpretation: project leader and co-PI, funded by Chevron, ENI, NGU, NPD, RWE-DEA and Statoil
- 2006-2010: PETROBAR: Integrated study of the Barents Sea: co-PI, PhD co-supervision of Laura Marelli funded by the Norwegian Research Council and Statoil
- 2006-2008: GEOBASE: Integrated study of the Barents Sea: co-PI, funded by VSEIGEI and NGU
- 2005-2006: Aeromagnetic survey JAS-05 Jan Mayen Fracture Zone: processing and interpretation: co-PI, funded by the Conoco-Phillips, the Faeroes Earth and Energy Directorate, NGU, NPD, Norske Shell, Statoil and Total Norge
- 2004-2005: KONTIKI: Continental Crust and Heat Generation In 3D-Curie temperature: co-PI, funded by NGU and Statoil
- 2003-2005: Hatton Deep Seismic: PI/post-doc fellow, funded by the Irish Petroleum Infrastructure Program

## SCIENTIFIC COLLABORATIONS

- Institut Universitaire Européen de la Mer (IUEM) : B. Le Gall, L. Geoffroy
- Institut de Physique du Globe (IPGP): F. Lucazeau
- Volcanic Basin Petroleum Research (VBPR): S. Planke
- University College Dublin (UCD): P. W. Shannon
- Dublin Institute for Advanced Studies (DIAS): B. O'Reilly, P. Readman
- Virje University: T. Yamasaki
- Industry: Conoco-Phillips, Det norske oljeselskap ASA, ENI, Faeroes Earth and Energy directorate, the Norwegian Petroleum Directorate, Chevron, Shell Norge, RWE-DEA, Statoil, Total Norge
- Geological Surveys: BGS, GEUS, GSI, JARDFENGI

## FIELDWORK and PROFESSIONAL TRAINING

- September-October: Training Sequence Stratigraphy (Catuneanu)
- July 2006: Field trip Svalbard "Norgex" NGU-Statoil-VSEIGEI
- April 2004: GEOMAR M60/Porcupine OBS-seismic campaign. Offshore Ireland
- August 2001: Trainings in balancing cross-section modelling (Geosec software) and thermo-kinematic and petroleum modelling of rifted systems, Total internal formation, Pau Research Center, France
- Summer 2000: Fieldwork in West Greenland (Disko/Nussuaq). French Institute of Oil (IFP) GDR Margins project
- May 1998: Seismic campaign of the eastern Corsica margin fan system
- 1996-1997: Geological mapping and modelling of the Menez-Belair synclinorium (Brittany, France), M.S. project

## CONTRIBUTIONS TO POPULAR SCIENCE-LECTURE NOTES-BLOG

1. *Gernigon, L.*, Olesen, O., Gaina, C., and Wienecke, S., 2009. Atypical post-breakup magmatism along the Jan Mayen Fracture Zone: Do we need a mantle plume? <http://www.mantleplumes.org/JanMayen.html>.
2. *Gernigon, L.*, Olesen, O. and Continental shelf geophysics Team, 2007. Challenging the Established truths. GEO Expro, 4, Issue 4, p. 40-44.

3. *Gernigon, L.*, Planke, S., Ringenbach, J.C. and Le Gall, B, 2005. Tectonic and deep structures along the Norwegian volcanic rifted margin: implications for the “mantle plume or not” debate. <http://www.mantleplumes.org/>

## BOOK – SPECIAL ISSUES - MAPS

1. Olesen, Gellein, J., *Gernigon, L.*, Khile, O., Koziel, J., Lauritsen, T., Mogaard, J.O., Myklebust, R., Skilbrei, J.R. & Usov, S, 2010: Magnetic anomaly map, Norway and adjacent areas. 1:3 million map. Geological Survey of Norway (NGU).
2. Smelror, M., Petrov, O., Larssen, G.B., and Werner, S.C., 2009. ATLAS: Geological History of the Barents Sea, Norges geologiske undersøkelse (Geological Survey of Norway, NGU), p. 135 (co-author, chapter "Continents in motion").
3. Péron-Pinvidic, G., Van Wijk, J., Shillington, D., and *Gernigon, L.*, 2009. Tectonophysics Special Issue “Role of magmatism in continental lithosphere extension”: Tectonophysics volume 468.
4. Ebbing J., Olesen, O., *Gernigon, L.*, Reynisson, R.F., og sokkelgeofysikk lag på NGU, 2008. Tyngde og magnetiske data viser sporene av gamle strukturer på norsk sokkel. In: Slagstad, T. & Dahl, R. (eds.), Geologi for samfunnet i 150 år – arven etter Kjerulf Gråsteinen, 12, p. 89-98.

## PUBLICATIONS (peer reviewed journal papers)

1. *Gernigon, L.*, Brönnner, M. 2012. Late Palaeozoic architecture and evolution of the southwestern Barents Sea: Insights from a new generation of aeromagnetic data. Journal of the Geological Society of London, 169, p. 449-459, [doi:10.1144/0016-76492011-131](https://doi.org/10.1144/0016-76492011-131).
2. *Gernigon, L.*, Gaina, C., Olesen, O., Ball, P.J., Péron-Pinvidic, G. and Yamasaki, T. 2012. The Norway Basin revisited: from continental breakup to spreading ridge extinction. Marine and Petroleum Geology, 35, 1-19, [doi:10.1016/j.marpetgeo.2012.02.015](https://doi.org/10.1016/j.marpetgeo.2012.02.015).
3. *Gernigon, L.*, Brönnner, M., Fichler, C., Løvås, L., Marello, L., and Olesen, 2011. Magnetic expression of salt diapir related structures in the Nordkapp Basin, Western Barents Sea. Geology, 39, 2, p. 135-138, doi: 10.1130/G31431.1.
4. Barrère, C., Ebbing, J. and *Gernigon, L.*, 2011. 3-D density and magnetic crustal characterization of the southwestern Barents Shelf: implications for the offshore prolongation of the Norwegian Caledonides. Geophysical Journal International, [doi: 10.1111/j.1365-246X.2010.04888.x](https://doi.org/10.1111/j.1365-246X.2010.04888.x)

5. Olesen, O., Brønner, M., Ebbing, J., Gellein, J., Gernigon, L., Koziel, J., Lauritsen, T., Myklebust, R., Pascal, C., Sand, M., Solheim, D. and Usov, S., 2010. New aeromagnetic and gravity compilations from Norway and adjacent areas - methods and applications. In: Vining, B.A. and Pickering S.C. (eds.), Petroleum Geology: From mature basins to new frontiers. Proceedings of the 7th Petroleum Geology Conference. Geological Society of London, p. 559-586,[doi:10.1144/0070559](https://doi.org/10.1144/0070559).
6. Marelllo, L., Ebbing, J., Gernigon, L., 2010. Magnetic basement study in the Barents Sea from inversion and forward modelling. Tectonophysics, 493, p.153-171,[doi:10.1016/j.tecto.2010.07.014](https://doi.org/10.1016/j.tecto.2010.07.014).
7. Yamasaki, T. and Gernigon, L., 2010. Redistribution of the lithosphere deformation by the emplacement of underplated mafic bodies: implications for microcontinent formation. Journal of the Geological Society, London, 167, p. 1-11, [doi: 10.1144/0016-76492010-027](https://doi.org/10.1144/0016-76492010-027)
8. Barrère, C., Ebbing, J. and Gernigon, L., 2009. Offshore prolongation of Caledonian structures and basement characterisation in the western Barents Sea from geophysical modelling. Tectonophysics, 470, p. 71-88, [doi:10.1016/j.tecto.2008.07.012](https://doi.org/10.1016/j.tecto.2008.07.012).
9. Ebbing, J., Gernigon, L., Pascal, C., Olesen, O., and Osmundsen, P. T., 2009. A discussion of structural and thermal control of magnetic anomalies on the mid-Norwegian margin: Geophysical Prospecting, 57, p. 665-681, [doi: 10.1111/j.1365-2478.2009.00800.x](https://doi.org/10.1111/j.1365-2478.2009.00800.x).
10. Gaina, C., Gernigon, L. and Ball, P.J., 2009. Paleocene-Recent Plate Boundaries in the NE Atlantic and the formation of the Jan Mayen microcontinent. Journal of the Geological Society, London, 166, p. 1-16,[doi:10.1144/0016-76492008-112](https://doi.org/10.1144/0016-76492008-112).
11. Péron-Pinvidic, G., Van Wijk, J., Shillington, D. and Gernigon, L., 2009. An introduction to the Tectonophysics Special issue: "Role of magmatism in continental lithosphere extension" Tectonophysics, 468 (1-4), p. 1-5,[doi.org/10.1016/S0040-1951\(09\)00149-8](https://doi.org/10.1016/S0040-1951(09)00149-8).
12. Gernigon, L., Olesen, O., Ebbing, J., Wienecke, S., Gaina, C., Mogaard, J.O., Sand, M. and Myklebust, R., 2009. Geophysical insights and early spreading history in the vicinity of the Jan Mayen Fracture Zone, Norwegian-Greenland Sea. Tectonophysics, 468 (1-4), p. 185-205,<http://dx.doi.org/10.1016/j.tecto.2008.04.025>.
13. Yamasaki, T. and Gernigon, L., 2009. Styles of lithospheric extension controlled by underplated mafic bodies. Tectonophysics, 468(1-4), p. 169-184,<http://dx.doi.org/10.1016/j.tecto.2008.04.024>.
14. Meyer, R., van Wijk, J. and Gernigon, L., 2007. North Atlantic Igneous Province: a review of models for its formation. In: Foulger, G.R. and Jurdy, D.M. (eds.), the Origins of Melting Anomalies: Plates, Plumes and Planetary Processes. Geological Society of America Special Paper 430, p. 525-552,[doi:10.1130/2007.2430\(26\)](https://doi.org/10.1130/2007.2430(26)).

15. Gernigon, L., Lucazeau, F., Brigaud, F., Ringenbach, J.C., Planke, S. and Le Gall, B., 2006. A moderate melting model for the Vøring margin (Norway) based on structural observations and a thermo-kinematical modelling: Implication for the meaning of the lower crustal bodies. *Tectonophysics*, 412(3-4), p. 255-278,<http://dx.doi.org/10.1016/j.tecto.2005.10.038>.
16. Le Gall, B., Gernigon, L., Rolet, J., Ebinger, C., Gloaguen, R., Nilsen, O., Dypvik, H., Deffontaines, B. and Mruma, A., 2004. Neogene-Recent rift propagation in Central Tanzania. Morphostructural and aeromagnetic evidence from the Kilombero area. *Bulletin of the Geological Society of America*, 116(3-4), p. 490-510,[doi:10.1130/B25202.1](http://dx.doi.org/10.1130/B25202.1).
17. Gernigon, L., Ringenbach, J.C., Planke, S. and Le Gall, B., 2004. Deep structures and breakup along volcanic rifted margins: Insights from integrated studies along the outer Vøring Basin (Norway). *Marine and Petroleum Geology*, 21(3), p. 363-372;<http://dx.doi.org/10.1016/j.marpetgeo.2004.01.005>.
18. Gernigon, L., Ringenbach, J.C., Planke, S., Jonquet-Kolstø, E. and Le Gall, B., 2003. Extension, crustal structure and magmatism at the outer Vøring Basin, North Atlantic Margin, Norway. *Journal of the Geological Society of London*, 160, p. 197-208, [doi:10.1144/0016-764902-055](http://dx.doi.org/10.1144/0016-764902-055).

## INDUSTRY REPORTS, MISCELLANEOUS

1. Gernigon, L., Brønner, M., 2011. Late Palaeozoic architecture and evolution of the western Barents Sea: Insights from a new generation of aeromagnetic data. Geological Survey of Norway (NGU), Trondheim. Report 2011.067. 21 pp.
2. Péron-Pinvidic, G., Gernigon, L., Gaina, C. & Olesen, O., 2011. Breakup and microcontinent formation: investigation of the Jan Mayen and conjugate margins system. Geological Survey of Norway (NGU), Trondheim. Report 2010.026. 105pp.
3. Brønner, M., Gernigon, L., Pascal, C., Koziel, J. & Marello, L., 2010. Barents Sea Aeromagnetic Remapping 2009 (BASAR-09): Acquisition and processing report and preliminary interpretation of the SW Barents Sea. Report no. 2010.056, Geological Survey of Norway (NGU), 210 pp.
4. Gernigon, L., 2010. Loppa and Stappen Highs in space and time. Intermediate report. Geological Survey of Norway (NGU), Trondheim. Report 2010.014, 67 pp. Confidential.
5. Brønner, M., Gernigon, L., Ebbing, J., Olesen, O., Roberts, D., Barrère, C., and Koziel, J., 2009. Barents Sea Aeromagnetic Remapping BASAR-08 - Acquisition, processing and interpretation. Geological Survey of Norway (NGU), Trondheim. Report 2009.020, 150 pp.

6. Gernigon, L., Olesen, O., Koziel, J. and Lynum, R., 2008. Norway Basin aeromagnetic survey NB-07 - acquisition, processing and interpretation. Geological Survey of Norway (NGU), Trondheim. Report 2008.052, 216 pp.
7. Gernigon, L., Marellø, L., Moogaard, J.O., Werner, S. and Skilbrei, J.R., 2007. Barents Sea Aeromagnetic Survey BAS-06 - Acquisition - processing report and preliminary interpretation. Geological Survey of Norway (NGU), Trondheim. Report 2007.035, 144 pp.
7. Olesen, O., Gernigon, L., Ebbing, J., Mogaard, J.O., Pascal, C. and Wienecke, S., 2006. Interpretation of aeromagnetic data along the Jan Mayen Fracture Zone, JAS-05. Geological Survey of Norway (NGU), Trondheim. Report 2006.018, 1-162 pp.
8. Olesen, O., Ballings, N., Barrère, C., Breiner, N., Davidsen, B., Ebbing, J., Elvebakk, H., Gernigon, L., Koziel, J., Midttømme, K., Nordgulen, Ø., Olsen, L., Pascal, C., Ramstad, R.K., Rendall, H.O., Rønning, J.S., Skilbrei, J.R., Slagstad, T. and Wissing, S., 2006. KONTIKI-Continental Crust and Heat Generation in 3D. Geological Survey of Norway (NGU), Trondheim. Report 2006.0159, 185 pp.
9. Gernigon, L., Ravaut, C., Shannon, P.M., Readman, P. and O'Reilly, P., 2005. HADES (Hatton Deep Seismic), Petroleum Infrastructure-GIS-PAD project project P1-geological overview of the Irish margins. University College Dublin/Dublin Institute for Advanced Studies, Dublin.
10. Gernigon, L., 2002. Extension et magmatisme en contexte de marge passive volcanique: Déformation et structure crustale de la marge norvégienne externe (Domaine Nord-Est Atlantique) (Extension and magmatism in a volcanic margin context: deformation and structure of the outer Norwegian margin (North-East Atlantic). PhD Thesis, Université de Brest, Brest, 300 pp.
11. Ringenbach J.C. and Gernigon L., 2000. Structural Map of the Norwegian Margin (with kind permission of Total Norge, Stavanger). Contribution to the 1:5 Million International Geological Map of Europe and Adjacent Areas (IGME 5000) Federal Institute for Geosciences and Natural Resources (BGR)/CGMW (Commission of the Geological Map of the World).
12. Ringenbach, J.C. and Gernigon, L. and New Venture exploration team. , 2000. 16th Norwegian licensing Round: Regional Atlas of the Møre and Vøring Basin. TotalFinaElf internal report. Confidential.



1. Gernigon, L., Brönnner, M. 2012. Late Palaeozoic architecture and evolution of the southwestern Barents Sea: Insights from a new generation of aeromagnetic data. 34rd IGC International Geological Congress 2012. Brisbane, Australia, 5-10 August, Abstract #2352, p. 175.
2. Gernigon, L., Brönnner, M. 2012. Late Palaeozoic architecture and evolution of the southwestern Barents Sea: Insights from a new generation of aeromagnetic data. Hydrocarbon Habitats: the petroleum Potential of the Southwestern Barents Sea, Oslo Kongressenter-Folkets hus, Oslo, Norway, March 27. Extended abstract p.21-22. Invited talk.
3. Gernigon, L., Brönnner and Olesen, O. 2012. The significance of new aeromagnetic surveys for a better understanding of the crustal and basin structures in the Barents Sea. In: Sæmundsson, T & Benediktsson, I.O. (eds.), Programme and abstracts, 30<sup>th</sup> Nordic Geological Winter meeting, Reykjavik, Iceland, 9-12 January. Abstract EP1-5. p. 73.
4. Gernigon, L., Brönnner, M., Marelllo, L. and Olesen, O. 2011. The significance of new aeromagnetic surveys for a better understanding of the crustal and basin structures in the Barents Sea. FORCE seminar "Petroleum System Eastern Barents Sea, Norwegian Petroleum Directorate, Stavanger, Norway, October 11-12. Invited talk.
5. Péron-Pinvidic, G. Gernigon, L., Gaina, C., 2011. From Iberia-Newfoundland to the Norwegian-Greenland Sea: A Project on the North Atlantic Evolution. 3P Arctic The Polar Petroleum Potential Conference and Exhibition, Halifax, Nova Scotia, August 30-September 2, official program p.12. AAPG Search and Discovery Article #90130.
6. Péron-Pinvidic, G. Gernigon, L. and Gaina, C. 2011. Insights from the Jan Mayen System in the Norwegian-Greenland Sea: Architecture & evolution of a Microcontinent. 3P Arctic The Polar Petroleum Potential Conference and Exhibition, Halifax, Nova Scotia, August 30-September 2, official program p.12. AAPG Search and Discovery Article #90130.
7. Gernigon, L., Brönnner, M. and Olesen, O. 2011. A Challenging Regional Model for the Pre-Permian Basins. 3P Arctic, The Polar Petroleum Potential Conference and Exhibition, Halifax, Nova Scotia, August 30-September 2, official program p.12. AAPG Search and Discovery Article #90130.
8. Trulsvik, M., Planke, S., Polteau, S., Mykelbust, R. and Gernigon, L., 2011. Breakup volcanism and sub-basalt prospectivity in the Jan Mayen Corridor in the outer Møre and Vøring basins. In: Heldal, T. (ed.), Abstract and proceedings of the Geological Society of Norway, Norsk Geologisk Forening (NGF) Winterkonferensen, Stavanger, Norway, 11-13 January. p. 105.
9. Péron-Pinvidic, G., Gernigon, L. and Gaina, C. 2011. The formation and evolution of crustal blocks at rifted margins: insights from the interpretation of the Jan Mayen microcontinent. In: Heldal, T. (ed.), Abstract and proceedings of the

- Geological Society of Norway, Norsk Geologisk Forening (NGF) Winterkonferensen, Stavanger, Norway, 11-13 January. p. 78.
10. Gernigon, L., Gaina, C., Olesen, O., Péron-Pinvidic, G. 2011. The Norway Basin revisited: From continental breakup to spreading ridge extinction. In: Heldal, T. (ed.), Abstract and proceedings of the Geological Society of Norway, NGF Winterkonferensen, Stavanger, Norway, 11-13 January. p. 31-32.
  11. Olesen, O.; Brønner, M., Ebbing, J., Gernigon, L., Koziel, J., Lauritsen, T., Pascal, C., Vattekar, T., Mykelbust, R. and Usov, S. 2010. Application of aeromagnetic data in petroleum exploration. In: Nakrem, H.A., Harstad, A.O and Haukdal, G. (eds), 29th Nordic Geological Winter Meeting, Oslo, Norway, 11-13 January. Abstract p. 140.
  12. Labails, C., Brønner, M., Gernigon, L. 2010. Insights on the deep structure of the Central Atlantic Ocean conjugate margins. American Geophysical Union, Fall Meeting 2009. San Francisco, USA, 13-17 December, #T33C-2261.
  13. Péron-Pinvidic, G., Gernigon, L., Gaina, C. and Olesen, O. 2010. Breakup and microcontinent formation: updated interpretation of the Jan Mayen microcontinent. IMAGINE conference, Arctic days 2010, Tromsø, May 31- June 4. NGF Abstracts and Proceedings, 2, 41.
  14. Péron-Pinvidic, G., Manatschal, G., Gernigon, L. and Gaina, C. 2010. The formation and evolution of crustal blocks at rifted margins: new insights from the interpretation of the Jan Mayen microcontinent. II Central & North Atlantic conjugate margins conference. Lisbon, Portugal, 29 September-1 October. Extended Abstract.
  15. Péron-Pinvidic, G., Manatschal, G., Gernigon, L. and Gaina, C. 2010. The formation and evolution of crustal blocks at rifted margins: new insights from the interpretation of the Jan Mayen microcontinent. II Central & North Atlantic conjugate margins conference. Lisbon, Portugal, 29 September-1 October. Extended Abstract, p. 78.
  16. Labails, C., Brønner, M., Gernigon, L. 2010. Deep Crustal Structures of the Central Atlantic Ocean conjugate margins: Combined Approach of seismic, Gravity and Magnetic Investigations. II Central & North Atlantic conjugate margins conference. Lisbon, Portugal, 29 September-1 October. Extended Abstract, p. 54.
  17. Gernigon, L., Gaina, C., Péron-Pinvidic, G. and Olesen, O. 2010. Spreading evolution of the Norway Basin and implication for the evolution of the Møre rifted margin and its intermediate conjugate system (the Jan Mayen microcontinent). II Central & North Atlantic conjugate margins conference. Lisbon, Portugal, 29 September-1 October. Extended Abstract, p. 45.
  18. Geoffroy, L., and Gernigon, L., 2010. The NE-Atlantic system. Thematic CNRS spring school. Iceland in the central Northern Atlantic: Hotspot, sea currents and climate changes. Institut Européen de la Mer, Plouzané, France, 11-14 Mai. Extended abstract, 65-70.

19. Skogseid, J., Gernigon, L., Bender, H.C., Abdelsalam, M.G., Thurmond, A.K., and Gaina, C., 2010. Microcontinent formation in a mantle plume and plate tectonic perspective, The American Association of Petroleum Geologists (AAPG) 2010 Annual Convention & Exhibition (ACE). New Orleans, U.S.A, 11-14 April. Abstract, p. 48. AAPG Search and Discover Article #90104.
20. Olesen, O., Brønner, M., Ebbing, J., Gernigon, L., Koziel, J., Lauritsen, T., Pascal, C., Vattekar, T., Mykelbust, R. and Usov, S.: Application of aeromagnetic data in petroleum exploration. 29th Nordic Geological Winter Meeting, Oslo, January 11-13. NGF Abstracts and Proceedings, 1, 140.
21. Marelllo, L., Ebbing, J. & Gernigon, L., 2010. Gravity and magnetic model to investigate the Barents Sea crustal setting and evolution. In: Brekke, H., Haukdal, G., Olesen, O. & Thorsnes, T. (eds), Abstracts and Proceedings of the Geological Society of Norway 2, IMAGINE conference, Arctic days 2010, Tromsø, May 31-June 4, p. 34.
22. Olesen, O., Brønner, M., Ebbing, J., Gernigon, L., Koziel, J., Pascal, C., Vattekar, T., Myklebust, R. and Usov, S.: Aeromagnetic remapping of the Norwegian continental shelf – applications for petroleum exploration. IMAGINE conference, Arctic days 2010, Tromsø, May 31- June 4, p. X.
23. Marelllo, L., Ebbing, J. & Gernigon, L. 2010. Magnetic basement study in the Barents Sea from inversion and forward modelling. 72nd EAGE Conference & Exhibition 2010, Barcelona, Spain, 14 - 17 June 2010. Poster, Extended abstract P587, 4 pp.
24. Gernigon, L., Gaina, C., Yamasaki, T., Peron-Pinvidic, G. & Olesen, O., 2010. Rift-drift evolution of the outer Norwegian margin. European Geosciences Union (EGU) General Assembly. Vienna, Austria, 2 - 7 Mai. Geophysical Research Abstracts, 12, # EGU2010-6474 (Invited talk).
25. Gernigon, L., C. Ravaut, P.M. Shannon, A. Chabert, B.M. O'Reilly and P.W. Readman, 2009. The evolution of Irish passive margins: implications for locating the transition between continental and oceanic crust. Atlantic Ireland 2009 Research Conference, Dublin, Ireland, 19- 20 October.
26. Marelllo, L., Ebbing, J. and Gernigon, L., 2009. Insight into the origin of the East Barents Sea mega basin from 3D geophysical modelling. AAPG 3P Arctic Conference and Exhibition, the Polar Petroleum Potential, Moscow, Russian, September 30 – October 2. AAPG Search and Discover Article #90096.
27. Yamasaki, T. and Gernigon, L. 2009. Focus and redistribution of the lithospheric deformation by emplacement of underplated mafic bodies. American Geophysical Union, Fall Meeting 2009. San Francisco, USA, 15-19 December. Eos Trans. AGU, Fall Meet. Suppl., 90(52), #T31C-1854.
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