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I am an assistant professor at College of Geosciences, China University of Petroleum (Beijing). My research mainly focuses on the tectono-stratigraphic evolution of sedimentary basins, particularly the interaction between salt-controlled structures and deep-water sedimentation. I have worked closely with industry in multiple research projects in the last couple of years. Currently I am involved in a research project between University of Bergen and German Research Centre for Geosciences (GFZ) focusing on salt tectonics in passive margins. I have published over 10 peer-reviewed articles in international geoscience journals.

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1. Education background and research experiences

1A. Education background

2011.10 – 2015.10	PhD	Department of Earth Science, University of Bergen, Norway
2009.09 – 2010.09	Master	Department of Earth Sciences, Royal Holloway, Uni. of London, UK
2005.09 – 2009.06	Bachelor	Department of Earth Sciences, Zhejiang University, China

1B. Research experiences

2016.07 – present	Postdoc researcher, PhD co-supervisor	University of Bergen, Norway
2013.09 – 2014.06	Teaching assistant	University of Bergen, Norway
2010.10 – 2011.10	Research assistant	Royal Holloway, University of London, UK

1C. Research visit

2018.06 – 2018.09, 2019.07	German Research Centre for Geosciences (GFZ), Germany
2008.08	Seismology Bureau of Zhejiang Province, China

2. Research project

2A. Project leader (PI)

1. EON Foundation and EPOS (European Plate Observing System) sponsored project, ‘Minibasin evolution in passive margin salt basins’, 2018;
2. University of Bergen, SPIRE project, 2017– 2018;

2B. Project investigator

1. Statoil (now Equinor) sponsored project, ‘Turbidites, Topography and Tectonics (T³): understanding the response of turbidity currents to structurally controlled seafloor topography’, 2016 to present.
2. Total Norge AS sponsored project, ‘Late Jurassic tectono-stratigraphic development of the Norwegian Central Graben and the influence of normal faulting on turbidite sedimentation’, 2011– 2015.
3. Petrobras sponsored project, ‘Kinematics and Mechanics of Salt-related Fold & Fault Structures

in South-Atlantic Passive Margin Sedimentary Basins', 2009 – 2011.

3. Publication

1. Howlett, D. *, Gawthorpe, R., **Ge, Z.**, Rotevatn, A., & Jackson, C. A-L, (2020), Turbidites, Topography and Tectonics: Evolution of submarine channel-lobe systems in the salt-influenced Kwanza Basin, offshore Angola. *Basin Research* (under review)
2. **Ge, Z. ***, Gawthorpe, R., Zijerveld, L., & Oluboyo, A. P., (2020), Controls on variations of geometry and stratigraphy in salt minibasins: Lower Congo Basin, Angola Margin. *Basin Research*
3. **Ge, Z. ***, Warsitzka, M., Rosenau, M., & Gawthorpe, R., (2019), Progressive margin tilting controls thin-skinned deformation in salt-bearing basins. *Geology*. doi: <https://doi.org/10.1130/G46485.1>
4. **Ge, Z. ***, Gawthorpe, R., Rotevatn, A., Zijerveld, L., Jackson, C. A.-L., & Oluboyo, A. P., (2019), Minibasin depocentre migration during diachronous salt welding, offshore Angola. *Basin Research*. doi: <https://doi.org/10.1111/bre.12404>
5. **Ge, Z. ***, Rosenau, M., Warsitzka, M., & Gawthorpe, R., (2019), Overprinting translational domains in passive margin salt basins: Insights from analogue modelling. *Solid Earth*. doi: doi.org/10.5194/se-10-1283-2019
6. Howlett, D. M. *, **Ge, Z.**, Nemec, W., Gawthorpe, R., Rotevatn, A., & Jackson, C. A.-L., (2019) Response of unconfined turbidity current to deep-water thrust fold-belt topography: orthogonal incidence on solitary and segmented folds. *Sedimentology*. doi: [10.1111/sed.12602](https://doi.org/10.1111/sed.12602)
7. **Ge, Z. ***, Nemec, W., Gawthorpe, R., Rotevatn, A., & Ernst, H., (2018) Response of unconfined turbidity current to relay-ramp topography: insights from process-based numerical modelling. *Basin Research*, doi: [10.1111/bre.12255](https://doi.org/10.1111/bre.12255)
8. **Ge, Z. ***, Gawthorpe, R., Rotevatn, A., & Thomas, M., (2017) Impact of normal faulting and pre-rift salt tectonics on the structural style of salt-influenced rifts: the Late Jurassic Norwegian Central Graben, North Sea. *Basin Research*, doi: [10.1111/bre.12219](https://doi.org/10.1111/bre.12219)
9. **Ge, Z. ***, Nemec, W., Gawthorpe, R., & Ernst, H., (2017) Response of unconfined turbidity current to normal-fault topography. *Sedimentology*, 64: 932–959. doi: [10.1111/sed.12333](https://doi.org/10.1111/sed.12333)
10. Adam, J. *, **Ge, Z.**, & Sanchez, M. (2012). Salt-structural styles and kinematic evolution of the Jequitinhonha deepwater fold belt, central Brazil passive margin. *Marine and Petroleum Geology*, 37(1), 101-120.
11. Adam, J. *, **Ge, Z.**, & Sanchez, M. (2012). Post-rift salt tectonic evolution and key control factors of the Jequitinhonha deepwater fold belt, central Brazil passive margin: Insights from scaled physical experiments. *Marine and Petroleum Geology*, 37(1), 70-100.

4. Conferences

1. **Ge, Z.**, Warsitzka, M., Rosenau, M. & Gawthorpe, R.L. The Impact of Instant Versus Progressive Margin Tilting Upon Passive Margin Salt Basins. AAPG GTW EuroAsian Mature Salt Basins, Krakow, April 2019.
2. **Ge, Z.**, Warsitzka, M., Rotevatn, A., Gawthorpe, R.L., Zijerveld, L. & T. Wrona. Extension initiation and localization on minibasin formation in passive margin salt basins. TSG, Bergen, Jan 2019.
3. **Ge, Z.**, Rosenau, M., Warsitzka, M. & Gawthorpe, R.L. Kinematic domain partitioning in passive margin salt basins: the myth of translational domain. GeoMod2018, Barcelona, Oct. 2018.
4. Howlett, D. M., **Ge, Z.**, Nemec, W., Gawthorpe, R.L., Rotevatn, A., Response of Unconfined Turbidity Currents to Complex Bathymetry in Deepwater Fold and Thrust Belts. AAPG 2018 ACE, Salt Lake City, May 2018.
5. **Ge, Z.**, Nemec, W., Gawthorpe, R.L., Rotevatn, A., Basani, R. & Hansen, E.W.M. The impact of fault topography on turbidity currents descending from the slope to the floor of an early-stage deep-water rift basin: insights from CFD numerical simulations. IAS 2013. Manchester, Sep. 2013.
6. **Ge, Z.**, Gawthorpe, R., Rotevatn, A., & Wonham, J. Variations in Depocentre Style under Mid-Late Jurassic Salt-Influenced Rifting: Norwegian Central Graben, North Sea. AAPG 2013 ACE, Pittsburgh, May 2013.