**CV, Ole Torsæter (70) **

**Education and degrees**

* **Siv.ing. Bergavdelingen, Norwegian Institute of Technology, (NTH), 1975. Thesis: “*A Reservoir engineering and economic analysis of an oil-bearing structure in the North Sea*”.**
* **Dr.ing. NTH, 1983. Thesis: “*An Experimental Study of Water Imbibition in North Sea Chalk”*.**

**Work experience**

January 1976 to March 1977: Royal Norwegian Navy. Quartermaster.

April 1977 to December l979: SINTEF Dept. of Petroleum Engineering. Researcher.

January 1980 to Dec. 1982: Dr.Ing. scholarship from NAVF, NTNF and Mobil, working at Phillips Petroleum Company Research Centre in Bartlesville, Oklahoma, USA.

January 1983 to February 1987: Dept. of Petroleum Engineering and Applied Geophysics, NTH. Associate Professor in reservoir engineering.

March 1987 to February 1988: Reservoir Laboratories as. Senior Reservoir Engineer.

March 1988 to Oct. 2021: Dept. of Petroleum Eng. and Applied Geophysics, NTNU:

* March -88 to Jan.-91: Associate Professor
* Jan.-1991to Oct. 2021: Professor (emeritus from Oct. 2021)
* July -91 to June -92: Visiting Prof., New Mexico Tech., USA
* Jan.-93 to June -96: Head of Department.
* August-07 to June-08: Visiting Prof., Texas A & M Univ., USA
* Sept.10 to Nov.25, 2015: Visiting investigator at A\*STAR, Singapore
* Feb. 2 to March 15, 2016: Visiting Professor, Univ. of Bordeaux, France
* May 1 to May 28, 2016 Visiting investigator at A\*STAR, Singapore
* Aug. 2017 – Oct. 2019 Principal Investigator in Pore Lab, NTNU-UiO Porous Media Laboratory (Norwegian Centre of Excellence)
* Oct. 2019 – present: Research associate in PoreLab

Oct. 2017 to Oct. 2021: University of Oslo. Adjunct Professor

**Ongoing research projects**

* Nanofluids for EOR.
* Fluid topology in drainage and imbibition.
* Wettability fundamentals. Project duration.

**Graduated Dr.ing. and PhD (25):**

1 -Ying Guo: “Centrifuge experiment and relative permeabilities”, 1988.

2 -Fridtjof Ravn Munkvold: “Relative permeability and capillary pressure experiments”, 1993.

3 -Jan Chr. Rivenæs: “A computer simulation model for siliciclastic basin stratigraphy”, 1993.

4 -Kjell Erik Wennberg:”Particle retention in porous media. Applications to water injectivity decline”,1998.

5 -Manoochehr Abtahi: “Scaling immiscible flow through heterogeneous porous media", 1999.

6 -Saifullah Talukdar: "Ekofisk chalk; core measurements, stochastic reconstruction, network modelling and simulation”, 2002.

7 -Mohammad Sarwaruddin: “Modelling of capillary pressure hysteresis curves by gamma absorption technique”, 2003.

8 -Medad T. Tweheyo: “Modelling hydrophobic membrane wells for water- free oil production and downhole separation” 2003.

9 -Jo Røislien: “Random Field Models and Near Well Reservoir Characterization”, 2004

10 -Alf Sebastian Lackner: “Improved Experimental Quantification of Special Core Analysis Parameters”, 2005.

11 -Frode Haavind: “Increased Maximum Sand Free Rate by Use of Chemical Sand Consolidation”, 2006.

12 -Hassan Karimaie: “Aspects of water and gas injection in fractured carbonate reservoirs”, 2007.

13 -Mehdi Shabani Afrapoli: “Experimental study of displacement mechanisms in microbial improved oil recovery processes”, 2010.

14 -Christian Crescente: “Experimental studies of microbial enhanced oil recovery”, 2012.

15 -Raheleh Farokhpoor: “Experimental investigation of the role of relative permeability and wettability in geological CO2 storage in saline aquifers”, 2012.

16 -Mohammad Ashrafi: “Experimental investigation of the temperature dependency of relative permeability data in heavy oil systems with applications to thermal recovery”, 2013.

17 -Yaser Souraki: “Experimental investigation and numerical simulation of thermal recovery processes applicable in Athabasca bitumen reservoirs”, 2013.

18 -Szczepan Polak: “Laboratory and numerical study of scaling parameters used in modelling of CO2 storage in rocks”, 2014.

19 -Amir Taheri: “Experimental and numerical study of density-driven natural convection mechanism during storage of CO2 in brine aquifers”, 2015.

20 -Luky Hendraningrat: “Unlocking the potential of hydrophilic nanoparticles as novel enhanced oil recovery method: An experimental investigation”, 2015.

21 -Shidong Li: “An Experimental Investigation of Enhanced Oil Recovery Mechanisms in Nanofluid Injection Process”, 2016.

22 -Hamid Hosseinzade Khanamiri: “Enhanced Oil Recovery by Low Salinity Surfactant: Effect of Ions on Core and Pore Scales”, 2016.

23 - Reidun Cecilie Aadland: “Experimental Study of Flow of Nanocellulose in Porous Media for Enhanced Oil Recovery Application”, 2019.

24 - Bahador Najafiazar: “Hybrid nanogels for water diversion”, 2019.

25 - Alberto Bila:“Experimental investigation of surface-functionalized silica nanoparticles for enhanced oil recovery”, 2020.

**Teaching**

Flow in porous media, Experimental reservoir engineering, Unconventional reservoirs, Fractured reservoirs.

**Public communication last ten years**

* Aftenposten (31.01.2013): «Vil vaske ut den siste olje med såpe», Newspaper interview.
* NRK P2 (Ekko, 03.01.2013): «Økt utvinning ved injeksjon av såpe», radio interview.
* Gemini no.1, June 2013: «Vasker ut olje med Zalo», journal interview (p.44).
* B-magasinet, no.1, Year 5 (Beerenberg, 2013): «Tiden er inne for økt utvinning», journal interview (p.10-11).
* International Innovation, Research Media Ltd, June 2013: “Black gold, Improved oil recovery by nanofluids flooding” (p.122-124).
* NRK TV (MidtNytt, 13.10.2014): TV interview about nanofluid for EOR.
* Geo (2015): Various articles about nanofluid for EOR.

**Member of Dr.-evaluation committees at other universities (38):**

1. Dr.Scient Jan Erik Nordtvedt Univ. of Bergen 1989
2. Dr.Philos Arne Graue ” 1991
3. Dr.Scient Erik Søndenå ” 1991
4. PhD Shouxiang Ma, New Mexico Tech 1992
5. Dr.Scient Ogbonnia Eleri Univ. of Stavanger 1995
6. Dr.Scient Jess Milter ” 1996
7. Dr.Scient Knut Arne Børresen ” 1996
8. Dr.Scient Bjørn Gerry Viksund University of Bergen 1998
9. Dr.Scient Hege Urkedal, ” 1998
10. Dr.Scient Samuel Subbey ” 2000
11. Dr.Scient Randi Valestrand ” 2002
12. Dr.Scient Stein Ottar Stalheim ” 2002
13. Dr.ing. Skule Strand Univ. of Stavanger 2006
14. PhD Karam Ali Rezaei Gomari ” 2006
15. PhD Mathieu Jurgawczynski Imperial College,UK 2006
16. Dr.Scient Eirik Aspenes Univ. of Bergen 2007
17. Dr.Scient Robert Wilhelm Moe “ 2007
18. PhD Liping Yu Univ. of Stavanger 2008
19. PhD Geir Ersland Univ. of Bergen 2008
20. PhD Audun Nyre “ 2009
21. PhD Uday Prasad Sharma Indian S. of Mines 2009
22. PhD Edwin Andrew Chukwudeme U. of Stavanger 2010
23. PhD Edin Alagic Univ. of Bergen 2010
24. PhD Åsmund Haugen “ 2010
25. PhD John F. Zuta Univ. of Stavanger 2011
26. PhD Abhijit Samanta Indian S. of Mines 2011
27. PhD Xuan Zhang Tech. Univ. of Denmark 2011
28. PhD Bartek F. Vik Univ. of Bergen 2011
29. PhD Vahid Alipour Tabrizy Univ. of Stavanger 2012
30. PhD Aruoture V. Omekeh Univ. of Stavanger 2013
31. PhD Pavel Spirov U. of Aalborg, Denmark 2014
32. PhD Hossein Ali A. Amiri Univ. of Stavanger 2014
33. PhD Moustafa Dernaika Univ. of Stavanger 2014
34. PhD Behruz Shaker Shiran Univ. of Bergen 2014
35. PhD Marcel Nascimento de Moura Univ. of Oslo 2016
36. PhD Nikhil Bagalkot Univ. of Stavanger 2019
37. PhD Mohan Sharma Univ. of Stavanger 2019
38. PhD Rockey Abhishek Univ. of Stavanger 2019
39. PhD Mario Helder Lopes da Silva Univ. of Stavanger 2021

**Monographs**

A textbook for NTNU-students on reservoir parameters and laboratory measurements was written nearly twenty years ago by PostDoc Manocher Abtahi and myself (only published internally). This book has been updated several times and is still in use in the course TPG4115 Reservoir Properties at NTNU.

**Granted patents**

Torleif Holt and Ole Torsæter: Norwegian patent: NO 330502, «Anordning og framgangsmåte for nedihulls separasjon av olje og vann i en produksjonsbrønn».

Lortz, W., Fischer, U., Bergmann, G., Torsaeter, O. Aurand, K.R.: European Patent EP 3368633 B1 «Method of obtaining mineral oil using a silica fluid” 27 May, 2020, European Patent Bulletin 2020/22

**Invited presentations to conferences, universities and companies 2013 - present.**

* International Student Energy Summit, Trondheim, June 12-14, 2013. Invited Moderator; Energy on New Frontiers. Game-Changing Technologies in The Oil and Gas Industry.
* Statoil research Summit, Invited speaker, Nov. 2013
* Norwegian Petroleum Society, Invited speaker; “EOR in Norway”,2013
* Invited speaker to The seminar on Norway-Brazil R & D cooperation: “Nanofluids for EOR”, Nov. 25-26, 2013.
* Danish Petroleum Society and University of Ålborg; “EOR research in Norway”(2014)
* Invited speaker to Norwegian Academy of Science and Letters: “Enhanced oil recovery – some experimental results on microbial methods and nanofluids for EOR”, 30.09, 2014.
* Invited speaker: Singapore Petroleum Cluster; “Nanofluids for EOR”, 2014.
* Invited speaker: Total Research Center, Pau, France, March 2016
* Invited speaker: Solvay Research Center, Bordeaux, France, March 2016
* Invited speaker: National University of Singapore, Singapore, Feb. 17, 2017
* Invited speaker: Norwegian Petroleum Directorate, Nov. 23, 2020

**Organization of international conferences**

- Member of the organizing committee; 2006 Society of Core Analysts Conference, Trondheim.

- Member of the technical committee of all the yearly SCA-conferences in the period 2002-2021.

- Member of the organizing committee; 2018 Society of Core Analysts Conference, Trondheim.

**Prizes/Awards/Academy memberships**

* Darcy Technical Achievement Award (2014) from the Society of Core Analysts.
* Member of the Norwegian Academy of Science and Technology (2014)
* Distinguished Achievement Award for Petroleum Engineering Faculty, North Sea Region, 2016. From Society of Petroleum Engineers (SPE).
* Management and Information Award, North Sea Region, 2018. From Society of Petroleum Engineers (SPE).

**Master students and** **PhD graduates**

Main supervisor of 25 PhD students and co-supervised 6. Have supervised about 200 sivilingeniør- and Master-candidates in reservoir engineering. The PhD - and Master- grade receivers are working in the oil industry in Norway and internationally.

International teaching last ten years: -Visiting professor at Texas A & M, USA, 2008 – 2009. Earlier international teaching: New Mexico Tech, USA, (visiting professor 1991-92), Luleå University, Sweden, Chalmers University, Sweden, Petroleum-Gas University of Ploiești, Romania, and Archangel University, Russia, (1995-2001).

**Research grants**

My PhD - students have mainly been financed through single industry company projects. The main companies in this category have been Statoil (now Equinor), Norsk Hydro, Shell and ConocoPhillips. The other financing source has been consortium projects topped up with research council money. Lately I have also financed some PhD-candidates from strategic research grants from NTNU. From August 2017-October 2019 I was a Principal Investigator in the Norwegian Center of Excellence on Porous Media at NTNU and University of Oslo (PoreLab) [www.PoreLab.no](http://www.PoreLab.no).

I am now Research associate with PoreLab.

**Management experience**

Department head of Department of Petroleum Engineering and Applied Geophysics, NTNU, (1993-1996), Member of the VISTA EOR program committee (2012-2019), Member of the Board of the Petroleum Research School of Norway (2012 – present), Member of the group of leader of PoreLab, Norwegian Centre of Excellence (Aug.2017 – Oct 2019), Member of the board of several companies in the last 20 years (SINTEF Petroleum, ResLab (Reservoir Laboratories), GeoProbing Technology, Deep Sea Anchors). SPE Faculty Advisor for the NTNU student chapter 2000-2020.

**Publication list**

1. Hjelmeland, O., Torsæter, O.: ”Wettability, the key to proper laboratory waterflooding experiments”. Proceedings International Energy Agency Workshop on Enhanced Oil Recovery, Bartlesville, OK, April 1980, pp 1-23.
2. Torsæter, O.: ”An Experimental Study of Water Imbibition in Chalk from the Ekofisk Field” paper SPE 12688 presented at SPE/DOE Conference on EOR, Tulsa, OK, 16 – 18 April 1984.
3. Torsæter, O., Silseth, J.K.: "The Effects of Sample Shape and Boundary Conditions on Capillary Imbibition", North Sea Chalk Symposium, Stavanger, May 21-22, 1985, vol. 1.
4. Skovbro, B., Risnes, R., Baldwin, R., Torsæter, O.: "Chalk Reservoir Research Program". Norwegian Petroleum Directorate and Danish Energy Agency, Stavanger, Sept. 1986.
5. Torsæter, O., Kleppe, J., van Golf-Racht, T.: "Multi-phase flow in fractured reservoirs" in Bear, J., Corapcioglu M.Y.: (Eds): "*Advances in Transport Phenomena in Porous Media*", NATO ASI Series, Martinus Nijhoff Publishers, Dordrecht/Boston/Lancaster, 1987, pp. 553-629.
6. Torsæter, O., Beldring, B.: "The Effect of Freezing of Slightsly Consolidated Cores", *SPE Formation Evaluation*, pp. 357-360, Sept. 1987.
7. Torsæter, O., Munkvold, F.R.: "Automated Centrifuge for Measurement of Capillary Pressure and Relative Permeability" 4th European Symposium on EOR, Hamburg, 999-1006, Oct. 1987.
8. Kleppe, J., Berg, E., Buller, A.T., Hjelmeland, O., Torsæter, O. (eds): Proceedings of "N*orth Sea Oil and Gas Reservoirs*", Graham and Trotman Inc., London, 1987.
9. Torsæter, O., Munkvold, F.R.: "Automated Centrifuge for Measurement of Capillary Pressure and Relative Permeability". Transactions, Eleventh European Formation Evaluation Symposium, SPWLA, Oslo, Sept. 1988.
10. Torsæter, O.: "A Comparative Study of Wettability Test Methods Based on Experimental Results From North Sea Reservoir Rocks" paper SPE 18281 presented at the 63rd Annual Technical Conference and Exhibition of SPE, Houston, TX, Oct. 1988.
11. Øyno, L., Torsæter, O.: "Experimental studies of spontaneous imbibition", SPE-Forum Series in Europe, Modelling of Naturally Fractured Reservoirs. Grindelwald, Switzerland, Sept. 10-15, 1989.
12. Torsæter, O., Øyno, L., Kjønsvik, D.: "Experimental and numerical studies of the imbibition mechanisms in fractured reservoirs". ASCOPE'89, The 4th Asean Council on Petroleum Conference and Exhibition, Singapore, Nov. 14-16, 1989.
13. Øyno,L., Torsæter, O.: "Experimental and Numerical Studies of the Imbibition Mechanism", Third North Sea Chalk Symposium , Copenhagen, June 11-12, l990.
14. Buller,A.T., Berg,E., Hjelmeland,O., Kleppe,J., Torsæter,O. and Aasen,J.O. (Editors): "*North Sea Oil and Gas Reservoirs-II*" Proceedings of the 2nd North Sea Oil and Gas Reservoirs Conference, Graham and Trotman, London , l990.
15. Torsæter,O.:"Review of the SPOR-gas program". Seminar on State R & D Programme for Improved Oil Recovery and Reservoir Technology, Stavanger, October 3-4, l990.
16. Munkvold,F.R. and Torsæter,O.:"Relative Permeability from Centrifuge and Unsteady State Experiments", paper SPE 21103 presented at the SPE Latin American Petroleum Engineering Conference in Rio de Janeiro, Oct. 14-19, l990.
17. Torsæter,O.:"Rock Properties and Fluid-Rock Interactions" in Skjæveland S.M. and Kleppe J. (eds): "*Recent Advances in Improved Oil Recovery Methods for North Sea Sandstone Reservoirs*". Norwegian Petroleum Directorate, Stavanger l992.
18. Morrow N.R., Torsæter,O.:"Practical Approaches to Systematic Study of Reservoir Wettability and Its Effect on Oil Recovery", 8th Wyoming EOR Symposium, May 20-21, 1992, Casper, Wyoming.
19. Ringheim,M., Hjelmeland,O., Torsæter,O.:"Experimental Studies of Imbibition and Wettability of Three Selected North Sea Chalk Reservoirs", presented at 4th North Sea Chalk Symposium , S ept. 21-22, 1992, Deauville , France.
20. Xian-min Zhou, Torsæter, O., Xina Xie and Morrow,N.R.:" The Effect of Crude-Oil Aging Time and Temperature on the Rate of Water Imbibition and Long-Term Recovery by Imbibition, SPE paper 26674 presented at 68th Annual Technical Conference and Exhibition of the SPE, Houston,Texas, Oct. 3-6 ,1993.
21. Aasen, J.O., Berg, E., Buller,A.T., Hjelmeland,O., Holt, R.M., Kleppe,J. and Torsæter,O. (Editors): "*North Sea Oil and Gas Reservoirs-III*" Proceedings of the 3rd North Sea Oil and Gas Reservoirs Conference, Kluwer Academic Publishers, London , l994.
22. Hjelmeland, O. and Torsæter, O.: *Coring and Core Analysis*, Reservoir Laboratories AS, Trondheim, 1994.
23. Torsæter,O. and Abtahi, M.: " *Experimental Reservoir Engineering. Laboratory Workbook*", Department of Petroleum Engineering and Applied Geophysics. Norwegian Institute of Technology, Trondheim, Sept. 1994.
24. Torsæter, O.:"Determination of Positive Imbibition Capillary Pressure Curves by Centrifuging" , The 3rd International Symposium on Evaluation of Reservoir Wettability and Its Effect on Oil Recovery", Laramie, Wy., Sept.21-23,1994.
25. Senneset, K.,Torsæter,O., Lone, S. and Wiig,T.:"Two-Phase Flow and Permeability of Oil in Porous Media". *Geoenvironment 2000*, ASCE-Special Publication, No.46, New Orleans 1995, p.389-405.
26. Munkerud,P.K. and Torsæter,O.:"The Effect of Interfacial Tension on Relative Permeability in Gas Condensate Systems", 8th European Symposium on Improved Oil Recovery, Vienna, May 15-17, 1995.
27. Bolås,T. and Torsæter,O.:"Theoretical and Experimental Study of the Positive Imbibition Capillary Pressure Curves Obtained from Centrifuge Data", International Symposium of the Society of Core Analysts, San Francisco, Sept. 12-14,1995.
28. Xian-min Zhou, Ole Torsæter, Xina Xie and N.R.Morrow:"The Effect of Crude-Oil Aging Time and Temperature on the Rate of Water Imbibition and Long-Term Recovery by Imbibition", *SPE Formation Evaluation*, Vol.10, Number 4, Dec.l995, 259 -265.
29. Holt,R.M., Fjær,E., Torsæter,O. and Bakke,S.:"Petrophysical Laboratory Measurements for Basin and Reservoir Evaluation", *Marine and Petroleum Geology* ,Vol.13,No.4,pp.383-391. 1996.
30. Alveskog,P.,Torsæter,O. and Holt,T.:"The effect of surfactant concentration on the Amott wettability index and residual oil saturation" presented at The 4th International Symposium of Reservoir Wettability and its Effect on Oil Recovery" ,September 11-13, 1996, Montpellier, France.
31. Torsæter, O.:”Determination of positive imbibition capillary pressure curves by centrifuging”, in *Evaluation of Reservoir Wettability and Its Effect on Oil Recovery*, Editor: N.R.Morrow, Laramie, Wy.,USA,1996.
32. Alveskog, P., Torsæter,O. and Holt,T.: «The effect of surfactant concentration on the Amott wettability index and residual oil saturation», presented at the 3rd Nordic Symposium on Petrophysics, January 23-24, 1997, Gothenburg, Sweden.
33. Torsæter, O., Bøe, R. and Holt, T.: «An Experimental Study of the Relationship Between Rock Surface Properties, Wettability and Oil Production Characteristics», presented at the 1997 International Symposium of the Society of Core Analysts, Calgary, Alberta, Canada, Sept. 7-10,1997
34. Alveskog,P., Holt,T. and Torsæter,O.:"The effect of surfactant concentration on the Amott wettability index and residual oil saturation" *Journal of Petroleum Science & Engineering*, Vol.20 (1998) 247-252.
35. Yu, S., Akervoll, I. and Torsæter, O.: «Investigation of Wettability Behavior and Its Effect on Final Oil Recovery by History Matching», presented at the 5th International Symposium on Evaluation of Reservoir Wettability and Its Effect on Oil Recovery, Trondheim, Norway, 22-24 June, 1998.
36. Tweheyo, M.T., Holt, T. and Torsæter, O.: «An Experimental Study of the Relationship between Wettability and Oil Production Characteristics», presented at the 5th International Symposium on Evaluation of Reservoir Wettability and Its Effect on Oil Recovery, Trondheim, Norway, 22-24 June, 1998.
37. Torsæter, O., Semere, M. and Yu, S.: “Effect of Wettability on Oil Production Characteristics in Fractured Reservoirs” Workshop on Characterization and Interpretation of Fluid Flow in Fractured Reservoirs, Society of Core Analysts, Hamburg , October 13-14, 1998.
38. Abtahi, M. and Torsæter, O.:”Experimental and Numerical Upscaling of Two-Phase Flow in Homogeneous and Heterogeneous Porous Media”, paper SPE 50572 presented at the 1998 SPE European Petroleum Conference in The Hague, The Netherlands, 20-22 October, 1998.
39. Yu, S., Akervoll, I., Torsæter, O., Stensen, J.A., Kleppe, J. and Midtlyng, S.H.:”History Matching Gas Injection Processes with In-Situ Saturation Measurements and Process Hysteresis”, paper SPE 4884 presented at the Sixth International Oil & Gas Conference and Exhibition in China, Beijing, China, 2-6 November 1998.
40. Ding, M., Torsæter, O. and Jelmert, T.A.:"Developments in centrifuge measurements of relative permeability and capillary pressure hysteresis", presented at the 1999 International Symposium of the Society of Core Analysts, Golden, Colorado, 1-4 August 1999.
41. Jelmert, T.A., Selseng, H. and Torsæter, O.:"Effect of micro-fractures on stress-sensitivity", presented at the 1999 Annual Conference of the International Association for Mathematical Geology, Trondheim, 6-11 August 1999.
42. Jelmert, T.A., Selseng,H. and Torsæter,O.:"Use of core- and well test analysis to improve models for stress-sensitive reservoirs", presented at the 10th European Symposium on Impoved Oil Recovery, Brighton, UK, 18-20 August 1999.
43. Akervold,I., Talukdar,M.S., Midtlyng,S.H., Torsæter, O. and Stensen, J.Aa.: "History Matching WAG Injection Experiments Performed under CT Surveillance to Obtain Relative Permeability and Capillary Pressure", presented at the 20th Annual International Energy Agency Workshop and Symposium, Collaborative Project on Enhanced Oil Recovery, Paris, 21-24 September 1999.
44. Akervold,I., Talukdar,M.S., Midtlyng,S.H., Stensen, J.Aa. and Torsæter, O.: ”WAG Injection Experiments With In-Situ Saturation Measurements at Reservoir Conditions and Simulations”, paper SPE 59323 presented at the 2000 SPE/DOE Improved Oil Recovery Symposium held in Tulsa, Oklahoma, 3-5 April 2000.
45. Tweheyo, M.T., Holt, T. and Torsæter, O.: «An Experimental Study of the Relationship between Wettability and Oil Production Characteristics», *Journal of Petroleum Science & Engineering*, Volume 24, p.179-188, December 1999.
46. Talukdar, S., Banu, H., Torsæter, O. and Kleppe, J.: "Applicability and Rate Sensitivity of Several Upscaling Techniques in Fractured Reservoir Simulation" published at the 2000 SPE International Petroleum Conference and Exhibition in Mexico, Villahermosa 1-3 February 2000.
47. Jelmert, T.A., Selseng,H. and Torsæter,O.: ”Average Permeability Functions of Cores with Stress-Sensitivity”, *Oil and Gas Journal*, Volume 98.24 ,p. 52-62, June 12, 2000.
48. Talukdar, S., Banu, H., Torsæter, O. and Kleppe, J.:"Introducing up-scaling technique in fractured reservoir simulation", *Nordic Petroleum Series*, Copenhagen, May 2000.
49. Sarwaruddin, M., Torsæter,O. and Skauge A.: ”Comparing different methods for capillary pressure measurements”, presented at the 2000 International Symposium of the Society of Core Analysts, Abu Dhabi, Oct,18-22, 2000.
50. Talukdar,M.S. and Torsæter,O: ”Pore-Scale Studies of Mobilization and Recovery of Oil by Waterflooding, presented at the 2000 International Symposium of the Society of Core Analysts, Abu Dhabi, Oct,18-22, 2000.
51. Kowalewski, E., Holt, T. and Torsæter, O.: ”Wettability alterations due to an oil soluble additive”, presented at the 6th International Symposium on Reservoir Wettability and its Effect on Oil Recovery, Socorro, New Mexico, USA, September 27-28, 2000.
52. Talukdar, S. and Torsæter, O.: "Reconstruction of Chalk Media from 2D SEM Images Using A Simulated Annealing Technique", *DiaLog*, Oct. 2000.
53. Talukdar, M.S., Banu, H.A., Torsæter, O. and Kleppe, J.: “Introducing Up-Scaling Techniques in Fractured Reservoir Simulation,” *Nordic Petroleum Technology Series: V*,p 189 - 218, Ås, Norway, May 2001.
54. Talukdar, M.S., Ioannidis, M., J. Howard, J. and Torsæter, O.:" Network Modeling as a Tool for Petrophysical Measurements in Chalk" Paper presented at the Sixth Nordic Symposium on Petrophysics, Trondheim, May 15-16, 2001.
55. Sarwaruddin, M., Skauge, A. and Torsæter, O.: "Modelling of Capillary Pressure for Heterogeneous Reservoirs by a Modified J-Function", paper SCA 2001-35 presented at the 2001 International Symposium of the Society of Core Analysts, Edinburgh, U.K., 17-19 September, 2001.
56. Sarwaruddin, M., Skauge, A. and Torsæter, O.: "Fluid Distribution in Transition Zones", paper SCA 2001-62 presented at the 2001 International Symposium of the Society of Core Analysts, Edinburgh, U.K., 17-19 September, 2001.
57. Tweheyo, M.T., Talukdar, M.S. and Torsæter, O.: “Hysteresis Effects in Capillary Pressure, Relative Permeability and Resistivity Index of North Sea Chalk,” paper SCA 2001-65 presented at the International Symposium of the Society of Core Analysts, Edinburgh, 17-19 September (2001).
58. Tweheyo, M.T., Talukdar, M.S., Torsæter, O. and Vafaeinezhad, Y.: “Improvement of Experimental Relative Permeability of North Sea Chalk Through Simulation,” presented at the 11th Oil, Gas and Petrochemical Congress & Exhibition, Tehran, Iran, 29-31 October (2001).
59. Kowalewski, E., Holt, T. and Torsæter, O.: “Wettability alterations due to an oil soluble additive”, *Journal of Petroleum Science and Engineering* 33 (2002), 19-28.
60. Talukdar, M.S. and Torsæter, O.: “Reconstruction of Chalk Pore Networks from 2D Back Scatter Electron Micrographs Using A Simulated Annealing Technique,” *Journal of Petroleum Science and Engineering* 33 (2002), 265-282.
61. Talukdar, M.S., Torsæter, O., Ioannidis, M.A. and Howard, J.J.: “Stochastic Reconstruction, 3D Characterization and Network Modeling of Chalk,” *Journal of Petroleum Science and Engineering*, 35 (2002) 1 - 21.
62. Talukdar, M.S., Torsæter, O., Ioannidis, M.A. and Howard, J.J.: “Stochastic Reconstruction of Chalk from 2D Images,” *Transport in Porous Media*, 48: 101 – 123, 2002.
63. Talukdar, M.S., Torsæter, O. and Ioannidis, M.A.: “Stochastic Reconstruction of Particulate Media from 2D Images”, *Journal of Colloid and Interface Science*, 248, 419-428 (2002).
64. Kowalewski, E., Boassen, T. and Torsæter, O.: “ Wettability alterations due to aging in crude oil; wettability and Cryo-ESEM analyses”, presented at the 7th International Symposium on Reservoir Wettability, 12-15 March 2002, Freycinet, Tasmania, Australia.
65. Tweheyo, M.T. and Torsæter, O.: “Impact of Changing Wettability on Oil Recovery by Spontaneous Imbibition in Sandstone and Chalk Samples” Paper presented at the 7th Nordic Symposium on Petrophysics, Akureyri, Iceland, 14-16 August 2002.
66. Tweheyo, M.T., Akervoll, I., Holt,T. and Torsæter, O.: ”Simulations of Oil-Wet Membrane Wells for Water-Free Oil Production and Downhole Separation”, Paper SPE81189, SPE Latin American Petroleum Engineering Conference, Port of Spain, Trinidad, 27 – 30 April 2003.
67. Tweheyo, M.T. and Torsæter, O.:” Simulating the performance of wells with hydrophobic membranes for reservoirs with different wettabilities”, paper presented at the 1st International Conference and Exhibition ; Recent advances and challenges in oil recovery, Moscow, May 19-23, 2003.
68. Stovas, A., Landrø, M., Torsæter, O., Jensen, J.I. and Kleppe, J.:” An integrated study of reservoir fluid flow across faults by laboratory experiments, 4D seismics and reservoir simulation”, paper presented at the 1st International Conference and Exhibition ; Recent advances and challenges in oil recovery, Moscow, May 19-23, 2003
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