

## **CHEN Zhangxing (John)**

### **Ph.D., Professor, Fellow of Canadian Academy of Engineering**

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### **Education**

Ph.D., Reservoir Engineering, Purdue University, 1991

M.S., Petroleum Engineering, Xi'an Jiaotong University, 1985

B.S., University of Jiangxi, 1983

### **Research Areas and Interests**

Reservoir simulation methods, Development theory of unconventional oil & gas reservoirs; Enhanced oilsands recovery methods.

### **Teaching**

Reservoir simulation.

### **Professional Experiences**

2016.1-present, Professor, China University of Petroleum, Beijing.

2007.1- present, Professor, University of Calgary.

1995.8-2006.12, Professor, Southern Methodist University.

1993.8-1995.7, Assistant Professor, Texas A&M University.

1991.8-1993.7, Postdoctoral Fellow, University of Minnesota.

### **Other Appointments**

Director, Reservoir Simulation Research Group.

Director, Frank and Sarah Meyer Foundation CMG Collaboration Centre.

Director, iCentre for Simulation and Visualization.

Director, Global Initiative in Research on Unconventional Oil and Gas: Beijing Site.

### **Other Professional Affiliations**

Member of academic committee on the state key laboratory of petroleum resources and prospecting.

Editor of tens of International Journals: Science China: Technical Science, Petroleum Science Bulletin, Modeling and Computation for Flow and Transport, Numerical Methods for Partial Differential Equations etc.

### **Honors and Awards**

Excellent Ph.D dissertation, China University of Petroleum, Beijing, 2016.

Scientific & technological progress award, China Petroleum and Chemical Industry Federation (CPCIF), 2013.

CAIMS (Canadian Applied and Industrial Mathematics Society) -Fields Industrial Mathematics Prize.

2017.

NSERC's Synergy Award for Innovation, NSERC (Natural Sciences and Engineering Research Council of Canada). 2016.

The President's Award Winner, CWLS (Canadian Well Logging Society) Technical Luncheon Series, Calgary, Canada. 2015.

Outstanding Teaching Performance Award, Schulich School of Engineering, University of Calgary. 2014-2016.

Imperial Oil University Research Award, 2014-2016.

NSERC (Natural Sciences and Engineering Research Council of Canada) Discovery Grant Accelerator Supplement Award (awarded to a superior research program), Canada. 2013.

Outstanding Leadership in Alberta Technology, Alberta Science and Technology (ASTech) Foundation 2012.

### **Selected Publications**

1. Zhang, J., Wu, X., Chen, Z., Han, G., Wang, J., Ren, Z., and Zhang, K. (2015) "Application and experimental study of cyclic foam stimulation," RSC (Royal Society of Chemistry) Advances, vol. 93, issue 5, pp. 76435-76441.
2. Wu, K., Chen, Z., and Li, X. (2015) "Real gas transport through nanopores of varying cross-section type and shape in shale gas reservoirs," Chemical Engineering Journal, vol. 281, pp. 813-825.
3. Chen, Z., Sun, J., Wang, R., and Wu, X. (2015) "A pseudobubblepoint model and its simulation for foamy oil in porous media," SPE Journal, vol. 20, issue 2, pp. 239-247.
4. Seifi, M., Abedi, J., and Chen, Z. (2014) "Application of porous medium approach to simulate UCG process," Fuel, vol. 116, pp. 191-200.
5. Etmnan, S.R., Javadpour, F., Maini, B.B., and Chen, Z. (2014) "Measurement of gas storage processes in shale and of the molecular diffusion coefficient in kerogen," International Journal of Coal Geology, vol. 123, pp. 10-19.