

## **WANG Zhenquan**

### **Ph.D., Professor**

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### **Education**

Ph.D., Mechanical engineering, China University of Petroleum (China), 2009

M.S., Drilling Engineering, China University of Geology (China), 1989

B.S., Drilling Engineering, the Wuhan Geology Institute (China), 1986

### **Research Areas and Interests**

Drilling and Completion for Oil & Gas

Rock Mechanics and Engineering

Drilling bit

### **Teaching**

Principle & Method of Rock Breaking; Equipment and Tools in Oil & Gas Well Engineering; Engineering Drawing.

### **Professional Experiences**

1989.09-1996.12, Lecturer, Department of Petroleum Engineering, China University of Petroleum-Beijing, China

1996.12-2016.07, Associate Professor, Department of Petroleum Engineering, China University of Petroleum-Beijing, China

2016-present, Director and Professor, Department of Petroleum, China University of Petroleum-Beijing At Karamay, China

### **Other Appointments**

Member, Institute of Rock Mechanics

Member, Society of Petroleum Engineers

### **Other Professional Affiliations**

None

### **Honors and Awards**

Excellent teachers of China University of Petroleum, Beijing, 2012-2014

Excellent party members of China University of Petroleum, Beijing, 2016-2017

### **Selected Publications**

1. WANG Zhenquan ZHANG Kai WANG Deguo ZHAO Bo. Research Progress of Wear-resistant Belt Material in Drill Joint[J].Oil Field Equipment.2016,6

2. Kai Zhang, Zhenquan Wang\*, Deguo Wang, Yanbao Guo, Bo Zhao. Dry sliding friction and wear behavior of PCD reinforced WC matrix composites. TRIBOL INT
3. Zhang Kai, Wang Zhenquan\*, Wang Deguo. Tribological Properties of A New Wear-resistant Belt Material Under the Extended Reach Well Condition. 70th STLE Annual Meeting & Exhibition (STLE2015), May 17-21, 2015; Dallas, Texas, US.
4. ZHANG Kai, WANG Zhenquan, WANG Deguo, ZHAO Bo. Feasibility Analysis of Polycrystalline Diamond Composite Material Applied on Drill joint[J]. Oil Field Equipment. 2016.6
5. Zhang Kai, Wang Deguo, Wang Zhenquan\*, Guo Yanbao, Material properties and tool performance of PCD reinforced WC matrix composites for hardbanding applications, International Journal of Refractory Metals and Hard Materials(2015), doi: 10.1016/j.ijrdianmhm.2015.03.011.
6. Wang Zhenquan, Ju Pei, Zhai Yinghu, Su Dongyu: Analytical model of the expansive force for solid expandable tubing. Acta Technica 59 (2014), No. 2: 185-197.
7. Zhenquan Wang, Dongyu Su, Optimal Design of the Flow Field of Bi-center Bit. Procedia Engineering, (EI), 2014 (73)
8. Ju P, Wang Z, Zhai Y, et al. Numerical simulation study on the optimization design of the crown shape of PDC drill bit[J]. Journal of Petroleum Exploration and Production Technology, 2014, 4(4): 343-350. (EI)
9. Kai Zhang\*, Deguo Wang, Zhenquan Wang, Shuhai Liu, Siwei Zhang. Friction and Wear Behavior of Wear-resistant Belt in Drill Joint for Deep and Ultra-deep Wells. World Tribology Congress (WTC2013), Sep 8-13, 2013; Torino, Italy.