

Prof. Zhongmin LIU



2019 Vice President, Executive committee, International Zeolites Association

2017 Director General, Dalian Institute of Chemical Physics (DICP) and Qingdao Institute of Bioenergy and Bioprocess Technology (QIBEBT), CAS (Current)

2015 Academician, Chinese Academy of Engineering

2011 Director, National Energy Low-carbon Catalysis and Engineering R&D center (Current)

2008 Director, National Engineering Laboratory for Methanol to Olefins (Current)

2008 Deputy Director General, Dalian Institute of Chemical Physics, CAS

1996 Professor, Dalian Institute of Chemical Physics, CAS

1994 Associate professor, Dalian Institute of Chemical Physics, CAS

1991 Assistant professor, Dalian Institute of Chemical Physics, CAS

Research interests:

- Catalysis and New Catalytic Reactions
- Molecular Sieves Synthesis
- Methanol & Derivatives Conversion Technologies
- Syngas Conversion
- Hydrocarbon Conversion Research
- Multiphase Catalytic Process Development and Scale-up
- Engineering R&D

Major Honors

2018 Professional Achievement Award for Innovations in Green Process Engineering by AIChE

2017 National Innovation Competition Awards

2017 The 6th Chinese Catalytic Achievement Award in

2015 The Science and Technology Innovation Award of 2015 HLHL Foundation

2014 The state Technological Invention Awards First Prize on “The technology of methanol to olefins (DMTO)”

2013 The China Petroleum and Chemical Industry Federation (CPCIF) Science and technology Progress Award (special class) on “Sets of Industrial Technology Development and Application in Demonstration Project of Coal to Olefin in Baotou”

2012 National Engineering Laboratory for Methanol to Olefins won the state Innovative Talents Promoting Plan in Key Area

2011 The research group for methanol to olefins won Outstanding Science and Technology Research Achievement Prize of the Chinese Academy of Sciences

2011 "Approaching Commercialization of the Technology of Olefins Manufacturing from Coal Instead of Oil" was picked out as one of Top Ten "Science and Technology Progress News" of China

2011 The China Petroleum and Chemical Industry Federation (CPCIF) Technology Invention Award (special class) on "DMTO technology"

2011 The 13th China Patent Award of "Method for Producing Light Olefin from Methanol or/and Dimethyl Ether (ZL200710064232.3) "

2009 The first class Technology Invention Award on "catalyst for DMTO technology" by Dalian Municipality Government

2008 The first class Science and Technology Progress Award on "DMTO technology" by Liaoning Province Government

2008 The first class Technology Invention Award on "The Technology of Solid Acid Catalysis Pressure Propylene Hydration Isopropanol" by Dalian Municipality Government

Academic Background

1983, B.S., Chemistry, Zhengzhou University

1986, M.S., Chemical Physics, Dalian Institute of Chemical Physics, CAS

1990, Ph.D., Chemical Physics, Dalian Institute of Chemical Physics, CAS