

CV of BAI Quan



BAI Quan, Professor, Ph. D., Deputy Director of Energy Efficiency Center of Energy Research Institute, National Development and Reform Commission. Council Member of Chinese Association of Young Scientists And Technologists, Member of Central Government Department Youth Federation. Executive council member of Ecological Development Union International (EDUI), member of Energy Conservation and Enterprise Energy Management Committee of China Energy Research Society.

Dr. BAI graduated from Department of Thermal Engineering, Tsinghua University with Ph.D. of Engineering. He visited Sigen University of Germany in year 2001. Dr. BAI worked in Energy Research Institute of National Development and Reform Commission since 2002. He received Associate Professor in year 2005, become Deputy Director of Energy Conservation Center (Deputy Division Director) in 2007, and received research professor title in year 2011. He is invited to Nagoya University as a visiting scholar since Aug. 2013 to Feb. 2014.

He is specialized in energy policy research on energy conservation, low carbon development and energy technology development.

Main Works

Dr. BAI has taking lead or participated in many key research topics, such as National 12th Five-year Energy Conservation and Emission Reduction Planning, China 2050 Low Carbon Development Road, Energy Conservation Priority Development Strategy, National Medium and Long term Science and Technology Development Planning (2006-2020) etc.

He had rich international cooperation experience, such as organizing Sino-Japan Energy Conservation Joint Study sponsored by Japanese government, China's 2020 development road sponsored by U.S. Energy Foundation, participating in designing of GEF(Global Environment Facility)/UNDP EUEEP(End-use Energy Efficiency Programme), third party evaluation of UNIDO Motor Project, Development of 12th five-year Energy Conservation Plan Implementation Scheme sponsored by World Bank (WB), Development of Green Campus Framework and Practice sponsored by Asian Development Bank (ADB) etc.

Research Projects include:

- 1) Development of 13th Five-year National Energy Conservation and Emission Reduction Plan
- 2) Development of 12th Five-year National Energy Conservation and Emission Reduction Plan
- 3) Achieving 2020 target of reducing CO₂ emission Intensity by 40-45% through Improving Energy Efficiency
- 4) China 2050 Low Carbon Development Road
- 5) Energy Conservation Priority Development Strategy
- 6) Development Planning of Alternative Energy
- 7) Research of Top-1000 Enterprise Energy Conservation Activity
- 8) Sino-Japan Energy Conservation Joint Study
- 9) Study on Measures of Reducing Energy Intensity 20% by 2010
- 10) Study on Decomposition Methodology of GDP Energy Intensity by Provinces
- 11) Energy Consumption Evaluation and Examination Indicator and Methodology
- 12) China 2050 Energy Development Outlook
- 13) China 2030 Energy and fuel consumption outlook
- 14) 11th Five-year Pan-Zhujiang River Delta Region Energy Cooperation Planning
- 15) Third Party Evaluation of UNIDO's Motor Project
- 16) Development of 11th Five-year Science and Technology Planning in Western Regions
- 17) Short term Energy Forecast Modeling
- 18) Energy Development Strategy of Quadruple GDP from 2001-2020
- 19) National Medium and Long Term Science and Technology Development

Main Awards

- Research on Pathway, Measure and Policy to Achieve Reducing CO₂ Emission 40-45% Target through Energy Efficiency Improvement, 2nd Class Award of National Development and Reform Commission of year 2011, 1st Class Award of Academy of Macro-economic Research of year 2011
- China 2050 Low Carbon Development Road, 2nd Class Award of NDRC, 2nd Class Award of National Development and Reform Commission of year 2010, 1st Class Award of Academy of Macro-economic Research of year 2010
- Study on Measures of Reducing Energy Intensity 20% by 2010, 2nd Class Award of National Development and Reform Commission of year 2007, 1st Class Award of Academy of Macro-economic Research of year 2007
- Study on Sustainable Energy Science and Technology Development Strategy, 3rd Class Award of National Development and Reform Commission, 2st Class Award of Academy of Macro-economic Research
- Fully Exert Government Function and Giving Energy Conservation Priority, 2st Class Award of Academy of Macro-economic Research of survey report

