

THE INTERNATIONAL YOUNG SCIENTISTS AWARDS IN THE FIELD OF OIL AND GAS: A GLANCE INTO THE FUTURE

ELVIN A. AKHADOV

**EXECUTIVE DIRECTOR
GAS INDUSTRY JOURNAL**



**GAS
INDUSTRY**
Journal
(founder - PJSC Gazprom)



The IBC Committee "Modern Technologies and Prospective Oil and Gas Industry Project"

The Young Scientists Awards aim to identify and promote cutting-edge technologies and innovations for the oil and gas industry, strengthen ties between science and business and promote international scientific and technical collaboration

 **4**
COMPETITIONS

 **456**
PARTICIPANTS

 **161**
REVIEWERS

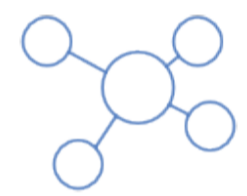
 **29**
COUNTRIES

 **37**
WINNERS



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RESEARCH AREAS:



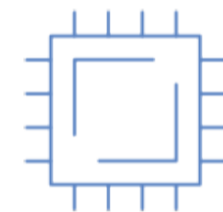
Innovative Solutions in Hydrocarbon Exploration, Production, Processing, Transportation and Storage



Decarbonization for the Oil and Gas Industry



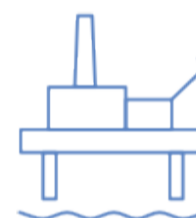
Power Engineering



IT Solutions and Digitalization



Liquefied Natural Gas (LNG)



Offshore Oil and Gas Projects

PROJECTS

Wide Geography and Range Of Research Topics
Interdisciplinary Research Projects

Predictive **Molecular and Multi-scale Modelling**

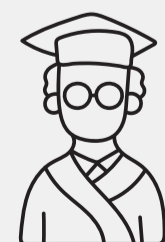
Development of Mature Oilfield in Rainforest Area,
Ecuador

Development of gas supply system
in Mongolia

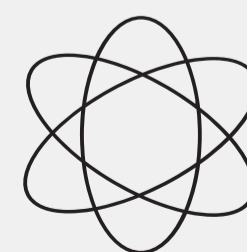
APPLICANTS



11
COUNTRIES



93
YOUNG SCIENTISTS



29
UNIVERSITIES,
RESEARCH INSTITUTIONS
AND COMPANIES

REVIEWERS

60 external reviewers from Russia and other countries, including Germany, Sweden, Italy, etc. evaluated young scientists' projects



Universities (14)



Research Institutions
and Science Foundations (16)



Energy
Companies (30)

2021 AWARD WINNERS



FIRST PLACE

Vasily Pisarev

 **The Russian Federation**

Joint Institute for High
Temperatures of the Russian
Academy of Sciences

Predictive Molecular
and Multi-scale Modelling
for Oil and Gas Industry
Problems



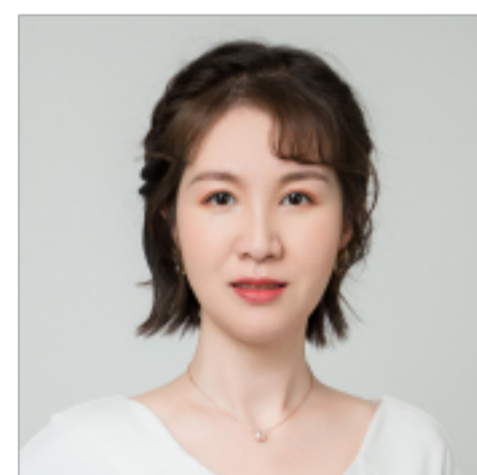
SECOND PLACE

Lukas Ochmann

 **The Federal Republic
of Germany**

TU Bergakademie Freiberg,
Institute of Drilling
Engineering and Fluid Mining

Development of Innovative
Set-ups for the Laboratory
Investigation of Sand Screens



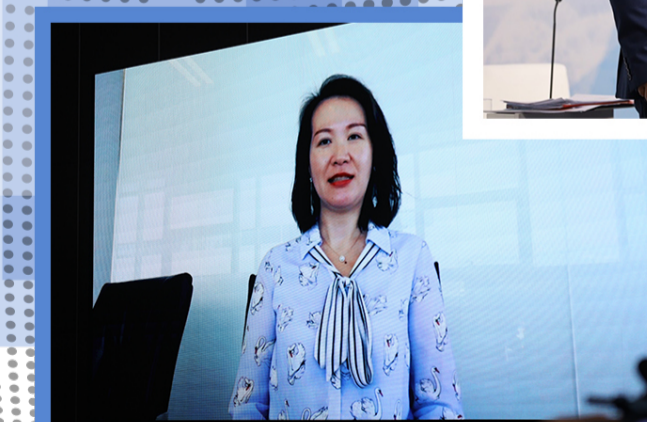
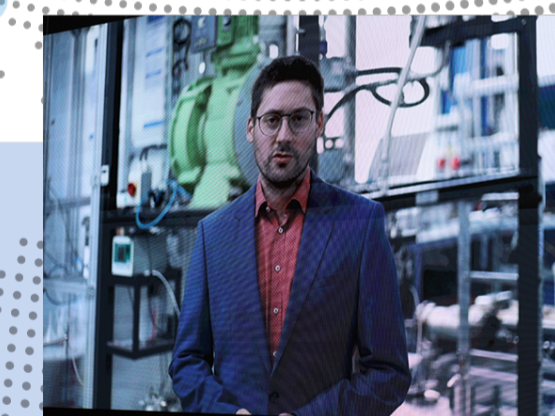
THIRD PLACE

Sun Zhe

 **The People's Republic
of China**

НИИ компании CNOOC Ltd

The Theory Exploration
and Practice Research
of a Novel Self-adaptive
Microgel Flooding Technology



SPECIAL AWARD WINNERS

A Glance Into the Future



Darya Maksakova

The Russian Federation

Melentiev Energy Systems Institute of Siberian Branch of the Russian Academy of Sciences

Opportunities for International Cooperation When Developing Gas Transportation System in Mongolia

A Bridge to the Future



Aleksandr Serovaiskii

The Russian Federation

National University of Oil and Gas "Gubkin University"

Role of Natural Gas in the Development of the Global Power Industry

Cutting-edge Research and Innovation



Abdolhossein Hemmati-Sarapardeh

The Islamic Republic of Iran

Shahid Bahonar University of Kerman

Integrating Nanotechnology and Surfactant Flooding For Enhanced Oil Recovery: Experimental Measurement And Intelligent Modeling

Research Excellence

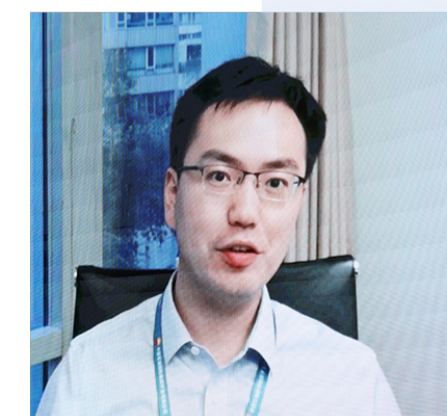


Zelong Wang

The People's Republic of China

China National Petroleum Corporation International Ltd. (CNPC International Ltd.)

A Novel Bayesian-based History Matching Method for 4D Seismic and Production Data of an Offshore Oilfield



SPECIAL AWARD WINNERS

Empowering Young Scientists

 Gazprom Neft Science and Technology Center, The Russian Federation



Artem Vlasov

Mobile Modular Complexes
To Produce a Marketable
Product From Associated
Petroleum Gas



Liia Akmadieva

OptimA: Production
Optimization Tool



Artem Penigin

Application of Miscible
Flooding EOR Technology
to an Oil Rim Reservoir



Irina Orlova

Digitalization of the
Technological Management
System



CERTIFICATES OF ACHIEVEMENTS IN RESEARCH AND INNOVATION



Mirosław Wojnicki

 **The Republic of Poland**

Oil and Gas Institute – National Research Institute

Sour and Very High-Nitrogen Natural Gas WAG
Injection in Mixed-Wet Carbonate Reservoir



Vilian Yanakiev

 **The Republic of Bulgaria**

The University of Mining and Geology “St. Ivan Rilski”

Improvement of Remote Monitoring and Management
Systems For Commercial Measurement of Natural Gas



Fedor Zagumennov

 **The Russian Federation**

GeoReality LLC

SeisCompass – AR Solution For Seismic Exploration



Xu Xianglin

 **The People’s Republic of China**

Andes Petroleum Ecuador Ltd.

Fine Development Technology and Practice
of Mature Oilfield in Rainforest Area, Ecuador



RESEARCH PROMOTION

Participation in Industry Events

Oral Presentations at IBC Committee Meetings

Participation in Gas Industry Journal Channel Projects

Participation in the Year of Science and Technology activities and events

