

Daulet Magzymov

The Pennsylvania State University, Energy and Mineral Engineering Department
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EDUCATION

- The Pennsylvania State University, PhD major**, Petroleum and Natural Gas Engineering, GPA 3.84/4.00 Expected: May 2019
PhD minor, Chemical Engineering
Main expertise: enhanced oil recovery, phase behavior, reservoir simulation, reservoir characterization
- Nazarbayev University**, BEng, Chemical Engineering, GPA 3.88/4.00 Graduation: June 2015
[Astana, Kazakhstan] top 3% of university-wide graduating cohort
- University College London**, study abroad summer school Graduation: August 2013
[London, United Kingdom] Corporate business solutions, Entrepreneurship, Academic English

INTERNSHIPS

- Schlumberger**, Drilling and Measurements Segment, Siberian Training Center [Tyumen, Russia] July 2014
- Successfully passed trainings: measurements while drilling, tools and specifications, operational facilities
 - Ranked 2nd among 30 participants from Russia and Caspian Region
- TOTAL E&P**, Total Energy Summer School [Paris, France] July 2013
- On behalf of major energy supplier, developed comprehensive scenarios to solve energy crisis in the developing countries
 - Selected as the only representative from Kazakhstan by TOTAL E&P at the international arena
- NU Research and Innovation Systems**, Biochemistry Department [Astana, Kazakshstan] March 2013 – December 2014
- Developed experimental procedure / operated Yflow coaxial electro-spraying for drug nano-encapsulation
 - Modified existing equipment and filed patent on the innovation

AWARDS

- Student Merit Award winner for 2016-2017**, Pennsylvania State University April 2017
- The most talented and dedicated students based on their academic achievement and leadership qualities
- Eastern North America SPE paper contest, 3rd place winner**, PhD Division April 2017
- Microemulsion phase behavior: extension of HLD-NAC based equation of state to include impure excess phases
- Outstanding SPE Student Chapter Award 2014**, [Amsterdam, Netherlands] October 2014
- This award is the highest honor for a chapter, recognizing exemplary services to industry and society
- Student of the Year 2014**, Nazarbayev University April 2014
- One student awarded university-wide for exceptional academic achievements and public services

LEADERSHIP EXPERIENCE

- Graduate Class Representative**, Penn State Society of Petroleum Engineers Student Chapter April 2017 – April 2018
- Co-founder and Representative**, Graduate Seminar Series at Energy and Mineral Engineering Dept October 2016 – Current
- President**, Nazarbayev University Society of Petroleum Engineers Student Chapter October 2013 – October 2014
- President**, Nazarbayev University Engineering Society October 2012 – October 2013

PUBLICATIONS AND PATENTS

- Conference paper**: Magzymov, D., Qiao, C., & Johns, R. T. 2016. Impact of Surfactant Mixtures on Microemulsion Phase Behavior. In SPE Annual Technical Conference and Exhibition. Society of Petroleum Engineers.
- Patent**: Seralin A., Tastanbekov D., Magzymov D. 2015. Patent: Temperature Control Unit. Ministry of Justice of the Republic of Kazakhstan. <http://kazpatent.kz/images/bulleten/2015/gazette/ru201510/html/u0013839.htm>

TECHNICAL TRAININGS

- LaunchBOX**, entrepreneurial business accelerator program May – July 2016
- KPMG**, K-foundation: audit, taxation, corporate finance, accounting March – June 2015
- Total Professeurs Associés**, week-long course for each subject below
- Conventional offshore pipelines, Drilling Techniques, Intro to field development May – June 2014
 - Safety Engineering, Offshore structures, CO2 sequestration and storage May – June 2013

SKILLS

- Languages**: Kazakh (native), Russian (fluent), English (fluent, IELTS 7.5), Turkish (advanced)
- Software**: Python, MATLAB, GAMS, AutoCAD, CHEMCAD, UTCHEM