



SMOGC
2017

SPE STUDENT CHAPTER MALAYSIA

OIL AND GAS CONVENTION
2017

INVITATION
BOOKLET

1st - 2nd NOVEMBER 2017

ABOUT SMOGC

The oil and gas industry is being the most important sector in contributing Malaysia's economic. In 2014, petroleum, condensates and gas constituted the second biggest fares after electrical and electronic goods and contributed up to 20% to the national gross domestic product (GDP) in recent years.

Nevertheless, the oil business, with its history of blasts and busts, has been in its most profound downturn since the 1990s, if not prior. In spite of the downturn and challenges presented by low oil prices, Malaysia remains one of South Asia's most dynamic owner of oil and gas reserves. Malaysia is the second-largest exporter of LNG in the world after Qatar and - the largest natural gas exporter in South East Asia, with 35.8 bcm exported in 2015. Malaysia is also a major oil producer, with an output of 647,000 bopd in 2015 - the third largest oil producer in South East Asia, of which it exported 365,000 bopd in 2015. Malaysia has positioned itself strongly to support the needs of the oil and gas value chain domestically and regionally.

With the nearness of difficulties and impediments, new, escalated endeavours and imaginative ideas are expected to investigate and utilize new advancements in the industry such as deep water development, new enhanced recovery technique and high concentration of carbon dioxide in the reservoir.

Hence, the SMOGC'17 is viewed as a push to revitalize students and young minds to be a part of the effort to broaden knowledge regarding oil and gas industry, development of human capital and awareness of global environmental sustainability. The objective of this event is to provide a more profound understanding about current development and technologies that are occurring in oil and gas industry especially in the downturn era, which most of the technologies built are upstanding but at the same time can save slightly on the financial cost.

Besides, SMOGC'17 will gather students and experts in oil and gas field in order to exchange experience, innovative ideas and ground breaking solutions regarding oil and gas problems in theoretical and practical aspects. Forums, conferences, technical talks will be held to achieve the event's aims as well as some reinvigorating competitions to strengthen the relationship and friendship among participating students between universities and experts from the industry itself.

IN *Collaboration* OF "SPE UTM" AND "SPE HWUM"



**Society of Petroleum Engineers
HWUM Student Chapter**



**Universiti Teknologi Malaysia
SPE Student Chapter**

Director's Speech

Greetings,

The SPE Student Chapter Malaysia Oil and Gas Convention 2017 (SMOGC 2017) will be held in Kuala Lumpur, Malaysia from 1st November 2017 to 2nd November 2017. Society of Petroleum Engineers (SPE) is honored to host this major event as it is the first time SPE is organizing this Oil and Gas Convention with the cooperation of two SPE Student Chapters in Malaysia which consist of SPE-UTM SC and SPE Heriot-Watt SC.

The main objective of SMOGC 2017 is to polish the students' creative and innovative ideas in the oil and gas field as well as exposing them to the awareness of the need to develop new technologies in oil and gas industry. Besides, since this event is a joint effort of six universities, students are directly provided with the opportunities to interact with each other and as a result their communicational skills as well as organizational skills get to be developed.

Taking place in the capital city of the country, Kuala Lumpur, SMOGC 2017 provides unrivalled and strategic location for exhibition, resume-drop and walk-in interview for both job employment and internship for the students from all disciplines of different universities. We believe this distinctive event will attract many oil & gas companies which operate locally and internationally as well as delegates from all over the globe. SMOGC 2017 will be a colossal event at international level and will definitely be participated by students from all around the world as invitation will be sent out to almost all SPE Student Chapters including from UK, Europe, Middle East as well as Asia Pacific Region. and abilities to a wider range of audience locally and internationally.

As the director of SMOGC 2017, it is my pleasure to invite your organization to participate in our most anticipated event. I really hope that this event can be a tremendous success. We are looking forward to your generous support and participation in SMOGC 2017. Plet

Sincerely,

NURSYAFIQAH SYAHIRAH BT MD HESHAMUDIN
Director of SPE Malaysia Oil and Gas Convention 2017 (SMOGC 2017)

ABOUT SPE STUDENT CHAPTER

Society of Petroleum Engineers (SPE) are the largest individual-member organization serving managers, engineers, scientists and other professionals worldwide in the upstream segment of the oil and gas industry. In 1957, the organization was officially founded as SPE, a constituent society of the American Institute of Mining Engineers (AIME). SPE became a separately incorporated organization on 1958.

Under the organization of SPE, there are student chapters which are located around the world including Malaysia. SPE Student Chapter provide an operating framework for society activities at a university level.

For the first time, 2 SPE Student Chapters in Malaysia team up together to conduct one event named SPE Student Chapter Malaysia Oil and Gas Convention 2017 (SMOGC'17). The participating student chapters are:

1. SPE Universiti Teknologi Malaysia SC (SPE-UTM SC)
2. SPE Heriot Watt University SC (SPE-HWUM SC)

Event Description

PETROBRAIN COMPETITION

Petrobrain competition is the main highlight among all competitions that will be held in SMOGC. Students from all over the world will be participating as a representative for their universities. They will be competing against other teams in fast-paced quiz competition. Each team will be questioned with technical and non-technical questions related to the oil and gas industry meanwhile putting their knowledge to the test.



PAPER COMPETITION

The Paper presentation contest is designed for the students to publish their discoveries, theories and innovative ideas which can greatly benefit and impact Energy Development and Sustainable Energy.



There will be students from all around the world participating in this competition. The participants are required to prepare, formulate and produce the best mud possible with relevant and practical application to the theme and case study provided. The competition will be judged on the criteria provided in the case study and points shall be awarded accordingly.

MUD INNOVATION COMPETITION

OIL RIG DESIGN COMPETITION

The Oil Rig Design Competition is a competition whereby participants are challenged to build a model of a semi-submersible oil rig. The competition encourages participants to apply their knowledge in current offshore technology besides blending their creativity to build a semi-sub model with innovative features to encounter the challenges in oil and gas exploration and production. Participants will use the materials provided by the organiser to build the model of their design on the event day, followed by the presentation of their rig and assessments from the judges.



POSTER COMPETITION

Poster presentation contest is designed to discover outstanding papers related to the Oil and Gas Industry. Participants should prepare their own paper by doing some research as well as developing great innovation related to the development of petroleum or geology. This paper should be presented and summarized in a A0 size poster followed by Q&A session.



Petroearth is a newly introduced competition in SMOGC'17 for all students that are from the background of Geology. Petroearth is similar to Petrobrain competition except for their question (more focused on Geology). Students from throughout the world will be participated as their representative for their university. They will rival other team in answering questions quickly. This challenging competition will be questioned with delightful questions related to oil and gas besides exploring their knowledge. The Petroearth competition pitches SPE student chapter teams against each other in a series of quick-fire rounds, answering technical and nontechnical industry-related questions. The contest has grown in size and popularity since its debut in 2002, and in 2015 was taken global with the introduction of six regional qualifier contests.

PETROEARTH COMPETITION

Event Timeline

1 NOV 2017

Opening ceremony
Asia pacific student
conference

11:00AM - 13:00 PM

Paper presentation
First round petrobrian
Mud innovation competition
Oil rig competition

14:00PM - 16:00PM

Paper presentation
First round petroearth
Oil rig competition
Mud innovation competition
Technical talk
Professional talk

2 NOV 2017

8:30AM - 10:30AM

Forum
Poster presentation
contest
Mud innovation competition

11:00AM - 13:00PM

Bonding session
Technical talk
Professional talk
Final petroearth
Poster presentation

14:00PM - 16:00PM

Bidding session
Final petrobrian
Oil rig competition
Mud innovation competition
Closing ceremony
Gala dinner



EXPECTED PARTICIPATING COUNTRIES



PHILIPPINES

- Palawan State University
- Batangas State University

VIETNAM

- Ho Chi Minh City University of Technology
- Ho Chi Minh City University of Science

BRUNEI

- Politeknik Brunei

EGYPT

- Cairo University

INDONESIA

- UPN Veteran Yogyakarta
- Universitas Padjajaran
- Trisakti University
- Universitas Sriwijaya
- AAPG UI
- Islamic University of Riau
- Institut Teknologi Bandung
- Universitas Indonesia
- Institut Teknologi Sepuluh Nopember
- Diponegoro University

JAPAN

- Kyoto University

CAMBODIA

- Institute of Technology of Cambodia

PAKISTAN

- NED University of Engineering and Technology

MALAYSIA

- Heriot Watt University
- Universiti Malaya
- Universiti Teknologi Malaysia
- Curtin University Sarawak
- Universiti Teknologi Petronas
- UCSI University
- Universiti Teknologi MARA
- Universiti Tunku Abdul Rahman

UNITED KINGDOM

- Coventry University
- Conventry University
- London South Bank University

CHINA

- China University of Geosciences
- China University of Petroleum
- Southwest Petroleum University

GERMANY

- Freiberg University of Mining and Technology

INDIA

- Pandit Deendayal Petroleum University

SUDAN

- Sudan University of Science and Technology

General Rules

A. Eligibility

- Competitions are open to ALL students.
- All participants must be listed as active students in their respective universities before joining any competition.

B. Communications

- All presentations, verbal communications, written documentation, and competition will be in English.
- Any questions regarding the rules can be asked via email.
- Any additional information for this event will be informed via official website, Facebook, Twitter or email.
 - (I) SMOGC'17 Email: smogc2017@gmail.com
 - (II) SMOGC'17 Website: www.smogc2017.com
 - (III) SMOGC'17 Facebook: SMOGC 2017
 - (IV) SMOGC'17 Instagram: smogc2017

C. Rule Changes

- Competition rules are subject to change. Should there be any rules changes, clarifications, and/or agenda it will be announced to all participating universities and during the technical meeting before the competition.

D. Accommodations and Transportation

- Accommodation and venue of event will be at Hotel Regency UTM, Kuala Lumpur, Malaysia.
- No transportation will be provided from KLIA2 to our respective venue on the day of your arrival. However, our Liaison Officer will be waiting at KLIA2 to guide you en route to your main accommodation.
- No accommodation will be provided for audience. Registration fees include exhibition, food, t-shirt, SMOGC merchandise and gala dinner. If you would like to stay at our official venue do notify us and we will arrange your accommodation

E. Registration

1. Please register at the following registration site before 31st August 2017:
<https://goo.gl/forms/FyLEU5i4CFi5Q7aU2>
2. Registration Deadline
 - Petrobrain and Petroearth Competition 31st August 2017
 - Paper and Poster Presentation Contest (with abstract) 31st August 2017
 - Mud Innovation Competition 31st August 2017
 - Oil Rig Design (with blueprint) 31st August 2017
3. Registration Fees
 - Each participants and audience need to pay registration fee (per person)
 - All details regarding registration fees as follows :

Registration Fee Payment Regulation

To complete the registration, each participant or audience need to pay registration fee (per person) as followed:

1. Payment is in Malaysian Ringgit (MYR) for local participant and United State Dollar (USD) for international participant.
2. Payment can be done AFTER been notified as the selected participant and audience.
3. Registration Fee :
 - Early Bird (10th July 2017 - 31st July 2017) :
 - International Participant : 90 USD
 - Local Participant with accomodation : 350 MYR
 - Local Participant without accomodation : 200 MYR
 - Normal Registration (31st July 2017 - 31st August 2017) :
 - International Participant : 100 USD
 - Local Participant with accomodation : 400 MYR
 - Local Participant without accomodation : 250 MYR

* Audience : TBA (to be announced)

* Close Registration on 31.August.2017

4. Local Participant/Audience can do payment by transferring before 1st October 2017 to our Financial Controller
Bank Account Name: NUR IZZATI HIDAYAH
Bank Number : 1129005049270 (MAYBANK)

*once the transaction is done, please email the transaction slip to smogc2017@gmail.com

PETROBRAIN COMPETITION



Petrobrain Competition

GENERAL DESCRIPTION

Petrobrain competition is the main highlight among all competitions that will be held in SMOGC. Students from all over the world will be participating as a representative for their universities. They will be competing against other teams in fast-paced quiz competition. Each team will be questioned with technical and non-technical questions related to the oil and gas industry meanwhile putting their knowledge to the test. nd gas industry meanwhile putting their knowledge to the test.

GENERAL RULES AND REGULATION

- Petrobrain is opened to all undergraduate students who emphasizes in Oil and Gas Industry.
- The Petrobrain competition participant must be a SPE member.
- Each participant is not allowed to register themselves in 2 different teams or more and also not allowed to register themselves in 2 different competitions or more.
- The representative from each university may have maximum of two (2) teams which each team consists of three (3) person.
- This competition is only limited to 18 teams on first come first serve basis.
- Representative from each university must complete the registration forms and submit it before the due date given.
- All presentations, verbal communications and written documentations for the competition should be conveyed in English.
- The competition's rules and regulations are subject to changes. Any changes, clarification will be shared directly to the involved universities via email or during the technical meeting.

COMPETITION FORMAT

- The games will be carried out based on the single elimination in which the teams compete and the winning team (team with highest points) will advance to the next stage.
- Any detailed rules will be explained during the technical meeting.
- SMOGC'17 Petrobrain competition will be conducted in three stages: preliminary, semi-final and final.



TOURNAMENT OFFICIALS

- Judges: Each game will have three judges. Every judges' decisions concerning compliance to the rules are final.
- Moderator: Each game will have a moderator. There may be two moderators to share the responsibility. The moderator(s) will read the questions, consult judges as needed to determine the correctness of an answer, award and deduct points, and otherwise enforce the rules of competition. The judges have the right whether moderator can repeat the question or not.
- Scorekeeper: Each game will have at least one scorekeeper. The scorekeeper(s) will keep the official score and individual statistics. Once the scorekeeper has declared the official score, games will be considered final.
- Timekeeper: Each game will have one timekeeper. The timekeeper will enforce time limits and supervise the game clock. The timekeeper will enforce time limits and supervise the game clock.

EQUIPMENT REQUIREMENT

- During the competition, each team in the current game will be given a "buzzer" - an electronic device determining the participant who buzzes in to answer a question first.
 - a. Each team is responsible for ensuring their buzzer are in state of good condition before the game starts.
 - b. If a particular buzzer malfunctions, the current question will be replayed but subjected to the judges.
 - c. Only the toss up questions can be replayed subject to the moderator's ruling that the malfunction impacted play of that question.
- Competitors will be provided with paper, pencils and erasers. Calculator will be provided by the committee to avoid from any cheating.
- Textbook, cheat sheet, gadgets and any electronic devices besides calculator and buzzer are strictly prohibited during this competition.

TIME

- Tardiness of more than 5 minutes from the scheduled match time may result in a forfeit, unless the lateness is the fault of the tournament, or the tournament officials are satisfied with other good cause.
- The judges and moderator may consider the question cannot be answered if the participants take too long to answer a particular question.
- The clock should not stop except:
 - a. When stopped by a tournament official to resolve a problem or to replace a question.
 - b. At the end of the half or game.
 - c. When moderator needs extra questions because of replacement of questions or overtime.
 - d. The clock used by the time keeper is the official time and is not contestable.

QUESTIONS

- Every game is divided into three particular types of question:
 - a. Compulsory Questions
 - b. Toss-up Questions
 - c. Bonus Questions
- i. Compulsory Questions
 - Each session will have five (5) different compulsory questions given to each group to be answered with the time limit of 4 minutes in the first round. Each group will obtain 10 points for every correct answer and if the answer is wrong, there will be no deduction of points.
- ii. Toss-up Questions
 - On the second round (is repeated), On the second round, a player may use the buzzer to answer a toss-up question at any point after the moderator has begun reading the questions.
 - There will be no transmission of signal between team members (or from the audience) to indicate who will buzz in on a toss-up question. Verbal signals, written signals, hand motions, head motions, eye contact, and anything else constructed as transmission of signal by the tournament officials.
 - Violation of the rule will result in forfeiture of opportunity to answer the toss-up. Repeated violations can result in ejection and/or disqualification per the "Ethics and Conduct" rules.

- Once a player has buzzed in, a tournament official will verbally recognize the player by team name and contestant name. If a player repeatedly responds before being recognized, tournament officials reserve the right to invalidate that player's response, turning the question over to the other team, if applicable.
 - The player who buzzed in and is recognized by the moderator may not confer verbally or otherwise with teammates (or spectators). Should this occur, the player will lose the chance to respond to the question, and the opposing team will be allowed to answer the question.
 - Alternately, the question may be thrown out if necessary at the discretion of tournament officials. Repeated violations can result in ejection and/or disqualification per the "Ethics and Conduct" rules.
 - If a player buzzes in before the moderator has finished reading, the moderator will stop at that point. If the answer given is incorrect, the moderator will finish the question for other teams only.
 - An answer to a toss-up must begin within 5 seconds after the player has been recognized. An answer after the time keeper says "Time" will be treated as a no answer. Ties between the player and the timekeeper are decided in favour of the player.
 - Players have 5 seconds to buzz in after the moderator has finished reading the toss-up. If the player answers incorrectly, the other team will then have 5 additional seconds to buzz in.
 - Some questions may permit more time, which will be noted specifically by the question.
 - Decisions as to whether players have exceeded the allotted time to buzz in or to answer may be rendered only by the tournament officials and are not contestable.
 - Each toss-up question is worth 10 points. Score will be reduced 10 points if the answer is wrong.
- iii. Bonus Questions
- Participants will obtain a bonus question if the answer is correct in the toss up round. These types of questions lend themselves well to multiple-part questions, though it is not required.
 - Bonus questions can be multi-part, allowing partial credit; however, all bonus questions must be worth a total of 20 points.
- Examples:
- I. "For 5 points each, name 4 methods to..."
 - II. "For 10 points each, name the 2 companies that..."
 - III. "For 20 points, what is the..."

- team has 25 seconds to answer a bonus question. The 25 seconds starts when the moderator has finished reading the question. If the moderator is asked to repeat the question – the time will still be counting down.
- After 25 seconds, the moderator will prompt the team for an answer. Once prompted, the team captain (or the team member he/she designates) must immediately begin answering or forfeit the opportunity to answer.
- A team may begin its answer before the moderator is finished reading all of a bonus question. In such cases, the moderator stops reading when the team begins its answer. If the bonus contains another part, and the first part was answered correctly, the moderator then reads the next part of the question.
- Each bonus question is worth up to 20 points and any other team's answer will not be accepted.
- Questions are intended to test the contestant's knowledge regarding Petroleum Engineering and the Petroleum Industry. Questions may include history, trivia, current events, technical questions, calculations and problem solving.
- Suggested (but not all inclusive) list of study materials as possible sources of questions:
 - I. Academic: Technical, Fundamentals of Petroleum Engineering
 - II. Non-Academic: Industry Statistics, History, Trivia, Current Events

CORRECT ANSWERS

- Only first answer given by a competitor will be accepted by the moderator.
- Common acronyms and abbreviations are often acceptable (e.g., chemical symbols, state postal abbreviations, organizational acronyms), unless they appear in the question, in which case the moderator may prompt the player to expand the acronym or abbreviation.

RESULTS AND AWARDS

- All the competition results will be announced and awards will be distributed at the end of the event in closing ceremony.
- There are only three (3) winners for this competition:
 - a. Winner
 - b. 1ST runner-up
 - c. 2ND runner-up

REGISTRATION

• Please register at the following registration site before 31st August 2017:

<https://goo.gl/forms/FyLEU5i4CFi5Q7aU2>

CONTACT PERSON

Chief Executive of Petrobrain

Name: Fakhruul Hazim bin Abdul Mulok

Phone: +60192987368

Email: fhazim15@spe.petroleum.utm.my



PETROEARTH COMPETITION



Petroearth Competition

GENERAL DESCRIPTION

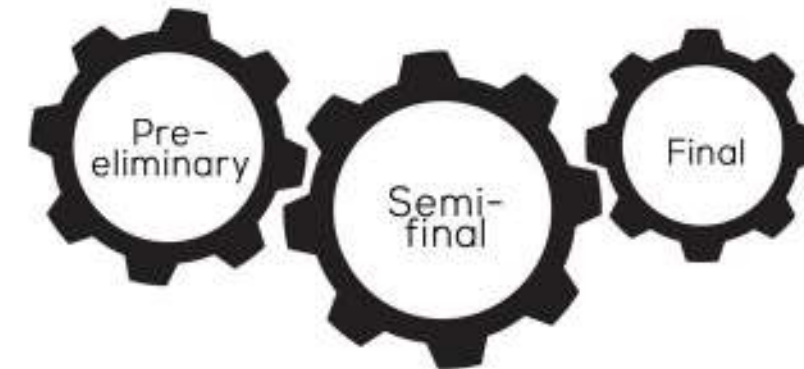
Petroearth is a newly introduced competition in SMOGC'17 for all students that are from the background of Geology. Petroearth is similar to Petrobrain competition except for their question (more focused on Geology). Students from throughout the world will be participated as their representative for their university. They will rival other team in answering questions quickly. This challenging competition will be questioned with delightful questions related to oil and gas besides exploring their knowledge. The Petroearth competition pitches SPE student chapter teams against each other in a series of quick-fire rounds, answering technical and nontechnical industry-related questions. The contest has grown in size and popularity since its debut in 2002, and in 2015 was taken global with the introduction of six regional qualifier contests.

GENERAL RULES AND REGULATION

- Petroearth is welcoming to undergraduate students who merged in Oil and Gas Industry and especially to those who dominate science of geology such as Petroleum Geology, Geophysics and Geothermal.
- The representative from each university may have maximum of two (2) teams which each team consists of three (3) person.
- This competition is only limited for 18 teams on first come first serve basis.
- Each participant is not allowed to register themselves in 2 different teams or more and also not allowed to register themselves in 2 different competitions or more.
- Representative from each university must complete the registration forms and submit it before the due date given.
- All presentations, verbal communications and written documentations for the competition should be conveyed in English.
- The competition's rules and regulations are subject to changes. Any changes, clarification will be shared directly to the involved universities via email or during the technical meeting.

COMPETITION FORMAT

- The games will be carried out based on the single elimination in which the teams compete and the winning team (team with highest points) will advance to the next stage.
- Any detailed rules will be explained during the technical meeting.
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- Scorekeeper: Each game will have at least one scorekeeper. The scorekeeper(s) will keep the official score and individual statistics. Once the scorekeeper has declared the official score, games will be considered final.
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- During the competition, each team in the current game will be given a "buzzer" - an electronic device determining the participant who buzzes in to answer a question first.
 - a. Each team is responsible for ensuring their buzzer are in state of good condition before the game starts.
 - b. If a particular buzzer malfunctions, the current question will be replayed but subjected to the judges.

- c. Only the toss up questions can be replayed subject to the moderator's ruling that the malfunction impacted play of that question.
- Competitors will be provided with paper, pencils and erasers. Calculator will be provided by the committee to avoid from any cheating.
- Textbook, cheat sheet, gadgets and any electronic devices besides calculator and buzzer or any reference materials are strictly prohibited during this competition.
- All games will be timed and will use a clock clearly visible to both teams.

TIME

- Tardiness of more than 5 minutes from the scheduled match time may result in a forfeit, unless the lateness is the fault of the tournament, or the tournament officials are satisfied with other good cause.
- The judges and moderator may consider the question cannot be answered if the participants take too long to answer a particular question.
- The clock should not stop except:
 - a. When stopped by a tournament official to resolve a problem or to replace a question.
 - b. At the end of the half or game.
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QUESTIONS

- Every game is divided into three particular types of question:
 - a. Compulsory Questions
 - b. Toss-up Questions
 - c. Bonus Questions
- i. Compulsory Questions :
 - Each session will have five (5) different compulsory questions given to each group to be answered with the time limit of 4 minutes on the first round. Each group will obtain 10 points for every correct answer and if the answer is wrong, there will be no

ii. Toss-up Questions

- On the second round (is repeated), On the second round, a player may use the buzzer to answer a toss-up question at any point after the moderator has begun reading the questions.
- There will be no transmission of signal between team members (or from the audience) to indicate who will buzz in on a toss-up question. Verbal signals written signals, hand motions, head motions, eye contact, and anything else constructed as transmission of signal by the tournament officials.
- Violation of the rule will result in forfeiture of opportunity to answer the toss-up. Repeated violations can result in ejection and/or disqualification per the "Ethics and Conduct" rules.
- Once a player has buzzed in, a tournament official will verbally recognize the player by team name and contestant name. If a player repeatedly responds before being recognized, tournament officials reserve the right to invalidate that player's response, turning the question over to the other team, if applicable.
- The player who buzzed in and is recognized by the moderator may not confer verbally or otherwise with teammates (or spectators). Should this occur, the player will lose the chance to respond to the 8 question, and the opposing team will be allowed to answer the question.
- Alternately, the question may be thrown out if necessary at the discretion of tournament officials. Repeated violations can result in ejection and/or disqualification per the "Ethics and Conduct" rules.
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- An answer to a toss-up must begin within 5 seconds after the player has been recognized. An answer after the time keeper says "Time" will be treated as a no answer. Ties between the player and the timekeeper are decided in favour of the player.
- Players have 5 seconds to buzz in after the moderator has finished reading the toss-up. If the player answers incorrectly, the other team will then have 5 additional seconds to buzz in.
- Some questions may permit more time, which will be noted specifically by the question.
- Decisions as to whether players have exceeded the allotted time to buzz in or to answer may be rendered only by the tournament officials and are not contestable.

- Each toss-up question is worth 10 points. Score will be reduced 10 points if the answer is wrong.
- iii. Bonus Questions
 - Participants will obtain a bonus question if the answer is correct in the tossup round. These types of questions lend themselves well to multiple-part questions, though it is not required.
 - Bonus questions can be multi-part, allowing partial credit; however, all bonus questions must be worth a total of 20 points. Examples:
 - "For 5 points each, name 4 methods to..."
 - "For 10 points each, name the 2 companies that..."
 - "For 20 points, what is the..."
 - A team has 25 seconds to answer a bonus question. The 25 seconds starts when the moderator has finished reading the question. If the moderator is asked to repeat the question – the time will still be counting down.
 - After 25 seconds, the moderator will prompt the team for an answer. Once prompted, the team captain (or the team member he/she designates) must immediately begin answering or forfeit the opportunity to answer.
 - A team may begin its answer before the moderator is finished reading all of a bonus question. In such cases, the moderator stops reading when the team begins its answer. If the bonus contains another part, and the first part was answered correctly, the moderator then reads the next part of the question.
 - Each bonus question is worth up to 20 points and any other team's answer will not be accepted.
 - Questions are intended to test the contestant's knowledge of Petroleum Engineering and the Petroleum Industry. Questions may include history, trivia, current events, technical questions, calculations and problem solving.
 - Suggested (but not all inclusive) list of study materials as possible sources of questions:
 - Academic: Technical, Fundamentals of Petroleum Engineering
 - Non-Academic: Industry Statistics, History, Trivia, Current Events.

CORRECT ANSWER

- Only first answer given by a competitor will be accepted by the moderator except for multiple answer questions and situations.

- Common acronyms and abbreviations are often acceptable (e.g., chemical symbols, state postal abbreviations, organizational acronyms), unless they appear in the question, in which case the moderator may prompt the player to expand the acronym or abbreviation.
- If a question requires multiple answers, a player may provide the responses in any order (unless otherwise specified).
- If a question asks to identify an answer from a list, the player must name the exact answer
(e.g., NOT "the second thing you read" or "the one that started with F").

TIPS FOR PREPARING FOR THE COMPETITION

Here is a suggested list of study materials as possible sources of questions:

Academic:

- Technical, Fundamentals of Petroleum Engineering
- Content from SPE's PetroWiki
- Petroleum Engineering and related (Geology, Reservoir Engineering, etc.) textbooks
- Glossary of Industry Terminology
- Schlumberger Oilfield Glossary
- Schlumberger Oilfield Review Defining Series

Non-Academic:

- Industry Statistics, History, Trivia, Current Events
- Industry Statistics
- Journal of Petroleum Technology® magazine
- The Prize: The Epic Quest for Oil, Money & Power by Yergin, Daniel (IF NECESSARY)

RESULT AND AWARDS

- All the competition results will be announced and awards will be distributed at the end of the event in closing ceremony.
- There are only three (3) winners for this competition:
 - Winner
 - 1ST runner-up
 - 2ND runner-up

REGISTRATION

-Please register at the following registration site before 31st August 2017:

<https://goo.gl/forms/FyLEU5i4CFi5Q7aU2>

CONTACT PERSON

Chief Executive of Petroearth

Name: Shaleni A/P Kumar

Phone: +60129943029

Email: shaleni15@spe.petroleum.utm.my



PAPER COMPETITION



Paper Competition

GENERAL DESCRIPTION

The Paper presentation contest is designed for the students to publish their discoveries, theories and innovative ideas which can greatly benefit and impact Energy Development and Sustainable Energy.

Theme

- Embracing the Vision Towards Energy Prosperity

RULES AND REGULATIONS

- This paper competition is open to Undergraduate students only.
- Each participant is not allowed to register themselves in 2 different teams or more and also not allowed to register themselves in 2 different competitions or more.
- Every university can send maximum number of two (2) participants and the paper/presentation should consist of a Single author only and must be in English.
- Plagiarism is prohibited.
- Before the event, participants should submit an abstract in PDF format based on the Abstract Submittal Instructions given below, and only the ten (10) best papers will be chosen by the professional judges and therefore qualify to join this paper competition. The announcement for the finalists will be given on 20th September 2017.

ABSTRACT SUBMITTAL INSTRUCTIONS:

- It should consist of 100-400 words with a maximum of five (5) keywords.
- One paragraph per A4 size paper (Left: 3 cm, Right, Bottom, Top: 2 cm).
- Use Times New Roman, 12, line spacing: 1.15.
- Kindly remember to add the author and university name.
- The abstract must be sent before 31st August 2017 to externalsmogc17@gmail.com and cc to competitionsmogc17@gmail.com

- The subject of your email:
SMOGC17_PaperCompetition_Authorsname_University
Example:
SMOGC17_PaperCompetition_Charlotte_UniversitiTeknologiMalaysia

- The participants are not allowed to change the paper once they send it.
- Each participant will have 15 minutes to present followed by a Q&A session with a maximum 20 minutes.
- There will be a time keeper to keep track of the time which will start once the contestant is ready. When the bell rings once, it signifies that only 5 minutes remain for the presentation.
- Marks will be deducted if the presentation exceeds the time allocated.
- Any demonstration or external assistance during/before the presentation is not allowed.
- The presentation sequence will be finalized during the technical meeting.
- The participants should be at the event hall at least 20 minutes before the competition begins.
- Participants are required to wear formal attire.
- The finalists should make a complete paper (1 softcopy in PDF and a presentation slides in PowerPoint).
- A Softcopy of the full paper and presentation slides should be submitted before 15th October 2017 to externalsmogc17@gmail.com and cc to competitionsmogc17@gmail.com
- The subject of your email:
SMOGC17_PaperCompetition_Authorsname_University

FORMAT OF THE PAPER

- Paper must consist of a minimum of 1000 words of text, excluding the diagrams and supporting illustrations needed to clarify the subject matter. The paper must not exceed 7000 words which includes text and diagrams, with each considered to be equivalent of 250 words.
- The paper must have a front page consisting of the Author's name, University name and the title of paper.
- Use Times New Roman, 12, spacing: 1.5, A4 (Left :3 cm, Right, Bottom, Up: 2 cm)

COMPETITION FORMAT

• The competition's rules and regulations are subject to changes. Any changes, clarification will be shared directly to the involved universities via email or during the technical meeting.



DEADLINE FOR ABSTRACT AND REGISTRATION FORM

31st August 2017

ANNOUNCEMENT OF FINALIST

20th September 2017

DEADLINE FOR COMPLETE PAPER

15th October 2017

REGISTRATION

-Please register at the following registration site before 31st August 2017:

<https://goo.gl/forms/FyLEU5i4CFi5Q7aU2>

CONTACT PERSON

Chief Executive of Paper Competition

Name: Khor Chun Wei

Phone: +60174986280

Email: khorchunwei15@spe.petroleum.utm.my

POSTER
COMPETITION

The graphic features the words 'POSTER' and 'COMPETITION' in large, white, sans-serif capital letters. The text is centered over a background of a mountain range with a soft, hazy sky. The entire graphic is enclosed in a white rectangular border.



Poster Competition

GENERAL DESCRIPTION

Poster presentation contest is designed to discover outstanding papers related to the Oil and Gas Industry. Participants should prepare their own paper by doing some research as well as developing great innovation related to the development of petroleum or geology. This paper should be presented and summarized in a A0 size poster followed by Q&A session and summarized in a A0 size poster followed by Q&A session.

THEME

- Embracing the Vision Towards Energy Prosperity

RULES AND REGULATIONS

- This poster presentation contest is open to Undergraduate students only.
- Each participant is not allowed to register themselves in 2 different teams or more and also not allowed to register themselves in 2 different competitions or more.
- Every university can send maximum number of two (2) participants and only a Single author is allowed and the poster/presentation must be in English.
- Plagiarism is strictly not allowed.
- Before the event, participants should submit an abstract in PDF format based on the Abstract Submittal Instructions given below, and only the best ten (10) will be chosen by the professional judges and therefore qualifying to join this poster competition. The announcement for the finalists will be given on 20th September 2017.

ABSTRACT SUBMITTAL INSTRUCTIONS

- It should consist of 100-400 words with a maximum of five (5) keywords.
- One paragraph per A4 page (Left: 3 cm, Right, Bottom, Up: 2 cm).
- Use Times New Roman, 12, spacing: 1.15.
- Kindly remember to add the author and university name.

- The abstract must be sent before 31st August 2017 to externalsmogc17@gmail.com and cc to competitionsmogc17@gmail.com
- The subject of your email:
SMOGC17_PosterCompetition_Authorsname_University
Example:
SMOGC17_PosterCompetition_Ahmad_UniversitiTeknologiMalaysia
- The participants are not allowed to change the title once they send the abstract.
- The finalists (10 participants who passed the first round) are required to print out an A0 size poster before the event day and bring the poster on the event day.
- The poster must contain the introduction, abstract, methodology, result, conclusion and necessary diagrams or supporting illustrations.
- Each participant will be given 15 minutes to present their poster and followed by a Q&A session from the judges with a maximum 20 minutes.
- There will be a time keeper to keep track of the time which will start once the contestant is ready. When the bell rings once, it indicates that only 5 minutes are left for the presentation.
- Marks will be deducted if the presentation exceeds the time allocated.
- Participants must do their presentation only based/refer to the final poster.
- Other methods of presentations such as slides or pamphlets are not allowed.
- Judging criteria will be based on the originality, creativity, clarity of message as well as the design of the poster.
- The sequence of presentation will be finalized during the technical meeting.
- The participants should be at the event hall at least 20 minutes before the competition begins.
- Participants are required to wear formal attire.
- The competition's rules and regulations are subject to changes.

COMPETITION FORMAT



REGISTRATION

- Please register at the following registration site before 31st August 2017:
<https://goo.gl/forms/FyLEU5i4CFi5Q7dU2>

DEADLINE FOR ABSTRACT AND REGISTRATION

31st August 2017

CONTACT PERSON

Chief Executive of Poster Competition

Name: Khor Chun Wei

Phone: +60174986280

Email: korchunwei15@spe.petroleum.utm.my

MUD
INNOVATION
COMPETITION

Mud Innovation Competition

GENERAL DESCRIPTION

There will be students from all around the world participating in this competition. With the limited time provided, the participants are required to prepare, formulate and produce the best mud possible with relevant and practical application to the theme provided.

THEME

Sustainable strategies to overcome high CAPEX of drilling mud relevant to current industrial outlook.

GENERAL RULES AND REGULATION

- This competition is open to all undergraduate students from invited universities only.
- The participating student must be a member of SPE.
- Each participant is not allowed to register themselves in 2 different teams or more and also not allowed to register themselves in 2 different competitions or more.
- The completed registration forms for the event must be submitted before the specified deadline.
- Every university can send maximum number of two (2) teams where each team must be consisting of three (3) person.
- This competition is limited to 15 teams only on first come first serve basis.
- All presentations, verbal communications and written documentations for the competition shall be delivered in English.
- The competition's rules and regulations are liable to changes. Any standard changes, clarification as well as agenda made will be informed to the parties involved before the competition and during the technical meeting.

COMPETITION FORMAT



- The main purpose of this competition is to acquire the best mud composition based on the given judging criteria and individual additives which can increase the mud efficiency for drilling.
- On the first day of competition, 2 hours and 15 minutes will be assigned to each team to carry out the experiment in the drilling lab. A copy of the data collected from the lab MUST be given to the person in charge for documentation.
- On the second day of competition, each team is required to present their outcomes obtained from the lab to the judges and will be evaluated based on the given criteria.
- Each team will be allocated 15 minutes of presentation followed by 5 minutes of (Q&A) session.
- The presentation of participants shall be well-prepared and planned. Any additional presentation materials and media are optional and will be given credits.
- Points will be given based on the following criteria:
 - comprehensiveness of data, analysis, and results;
 - academic writing;
 - processing procedure and presentation skills.
- Participants are required to prepare and bring your presentation slides to the event and submit it to the person in charge during the event.
- Participants are encouraged to prepare external additives and apparatus. However, the participants must inform the competition committee regarding external additives 14 days prior to the event.
- The case study will be informed through email after the registration deadline which is probably on 1st September 2017.

• Then the participants are required to submit the report based on the case study on 15th October 2017 and email to externalsmogc17@gmail.com and cc to competitionsmogc17@gmail.com

- The Subject of Email:

SMOGC17_MIC2017_TeamName_University.

Example:

SMOGC17_MIC2017_AlphaQ_UniversitiTeknologiMalaysia

• Participants' innovation and creativity also will be assessed during the competition such as the introduction of unconventional and beneficial I additives into the mud.

• All judges' decisions concerned and compliant to the rules and granting of point will be ultimate however details are disclosable for educational and clarity purposes.

REGISTRATION

- Please register at the following registration site before 31st August 2017:

<https://goo.gl/forms/FyLEU5i4CFi5Q7aU2>

DEADLINE

31st AUGUST 2017

CONTACT PERSON

Chief Executive of Mud Innovation

Name: Chia Bing Xuan (FRANCIS)

Phone: +6011-37650349

Email: bc99@hw.ac.uk

A banner for the Oil Rig Design Competition. The text "OIL RIG DESIGN COMPETITION" is written in large, white, sans-serif capital letters, stacked vertically. The background of the banner is a landscape of rolling hills or mountains under a hazy, light-colored sky. The banner is enclosed in a white rectangular border.

OIL RIG DESIGN COMPETITION

Oil Rig Design Competition

GENERAL DESCRIPTION

The Oil Rig Design Competition is a competition whereby participants are challenged to build a model of a semi-submersible oil rig. The competition encourages participants to apply their knowledge in current offshore technology besides blending their creativity to build a semi-sub model with innovative features to encounter the challenges in oil and gas exploration and production. Participants will use the materials provided by the organiser to build the model of their design on the event day, followed by the presentation of their rig and assessments from the judges.

THEME

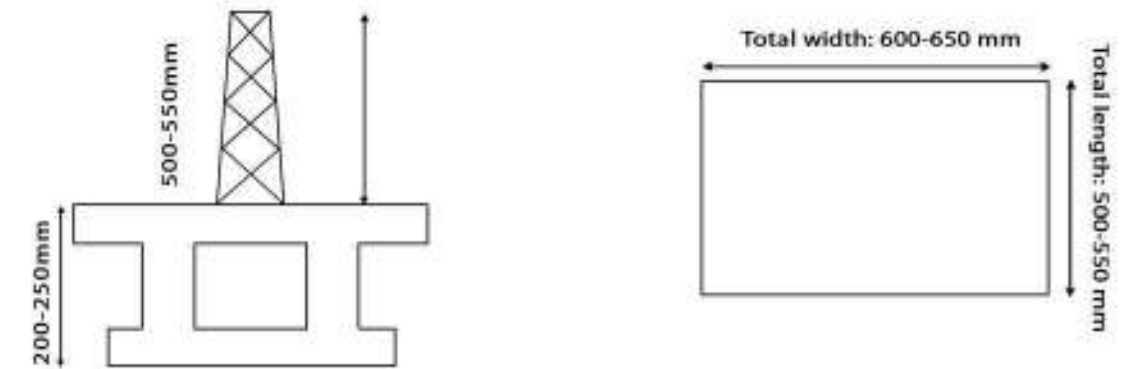
- Enhanced eco-friendly facility on rig to face tremendous environment while maximizing production line.

GENERAL RULES AND REGULATIONS

- This competition is open to all undergraduate students from the invited universities only.
- Each participant is not allowed to register themselves in 2 different teams or more and also not allowed to register themselves in 2 different competitions or more.
- The completed registration forms for the event must be submitted before the specified deadline.
- Every university can send a maximum number of two (2) teams where each team must consist of four to five participants.
- All presentations, verbal communications and written documentations in the competition will be conducted in English.
- The competition's rules and regulations are subjected to changes. Any standard changes, clarification as well as agenda made will be informed to the fellow participants before the competition and during the technical meeting.

COMPETITION FORMAT

- Each team is required to use the materials provided by the organisers to build their model on the day of the event.
- The list of the materials and apparatus provided will only be announced during the competition technical meeting.
- Each team is allowed to bring their own materials and apparatus of not more than 650 grams.
- The size of the model built should be within the range as shown in the diagrams below:



- The time allocated to build the model is 4 hours.
- Presentation of the model is done on the next day.
- Maximum duration of the presentation allowed is 5 minutes, followed by the assessment of questions from the judges.
- The model will be then assessed with buoyancy test.
- Participants are required to prepare and bring your presentation slides to the event and submit it to the person in charge during the event..

BLUEPRINT

- Blueprint in the format of PDF are required to be submitted before 31st August 2017.
- Components of Blueprint must consist of:
 - a. Oil Rig Model Dimension
 - b. Brief Explanation about features.
 - c. Explain the innovations of your oil rig.
 - d. Explain how eco-friendly is your oil rig.
- A total of 10 selected teams that will be competed on the event day will be announced and informed through email on 20th September 2017.

Announcement of materials and apparatus list (during technical meeting)

Model building (1st event day)

Presentation and buoyancy test (2nd event day)

JUDGING CRITERIA

- (a) Buoyancy test (15%)
- (b) Creativity and modelling-ability (20%)
- (c) Details of the model (15%)
- (d) Innovative and safety features (25%)
- (e) Multimedia presentation (25%)

REGISTRATION

- Please register at the following registration site before 31st August 2017: <https://goo.gl/forms/FyLEU5i4CFi5Q7aU2>
- Upon registration confirmation, please email your blueprint (PDF format) to externalsmogc17@gmail.com and cc to competitionsmogc17@gmail.com.
- Subject of the email:
"SMOGC17_ORC2017_TeamName_University".
Example:
SMOGC17_ORC2017_AlphaQ_UniversitiTeknologiMalaysia
- Example: SMOGC17_ORC2017_AlphaQ_UniversitiTeknologiMalaysia

DEADLINE

31st August 2017

CONTACT PERSON

Chief Executive of Oil Rig Design Competition
Name: Viknesh Govind Ganeson
Phone: +60196178418
Email: vikneshgovind@gmail.com

ASIA PASIFIC SPE STUDENT CHAPTER MEETING

Asia Pacific SPE Student Chapter Meeting 2017

INVITATION TO JOIN APSC'17

Asia Pacific SPE Student Chapter Conference 2017 which also known as APSC'17 is the 7th edition of annually international conference for SPE Student Chapters in Asia Pacific. This event will be hosted as the sub event of SPE Student Chapter Malaysia Oil and Gas Conferences 2017 (SMOGC'17).

APSC'17 aims to strengthen and widen the connection and networking among the participants, industrial practitioners as well as VIPs. This event hopes to be the platform for participants to discuss and exchange ideas in particular aspect of student chapter which is also related to oil and gas industry.

APSC'17 also offers participants new and deeper knowledge regarding oil and gas world by scheduling interesting 2 days tentative.

This upcoming APSC'17 will surely bring so much excitement and anticipation to participants among Asia Pacific

REGISTRATION

Please register at the following registration site before 31st August 2017:

<https://goo.gl/forms/FyLEU5i4CFi5Q7aU2>

CONTACT PERSON

Coordinator of APSC'17

Name: Nur Aisyah Binti Mohd Nasir

Phone: +60125447836

Email: nuraisyahhmohdnasir@gmail.com



Asia Pacific SPE Student Chapter Meeting 2017

Organised by



Universiti Teknologi Malaysia
SPE Student Chapter



Society of Petroleum Engineers
HWUM Student Chapter

Interesting Places to Visit



SUNWAY LAGOON

3, JALAN PJS 11/11, BANDAR SUNWAY, 47500 PETALING JAYA, SELANGOR, MALAYSIA

OPENING HOUR: 10^{AM}-6^{PM}



A' FAMOSA FORTRESS

JALAN PARAMESWARA, BANDAR HILIR, 78000 ALOR GAJAH, MELAKA, MALAYSIA

OPENING HOUR: 24 HOUR



SEPANG CIRCUIT

27, SEPANG F1 CIRCUIT, 64000 SEPANG, SELANGOR, MALAYSIA

OPENING HOUR: FOLLOW SCHEDULE



JALAN TUNKU ABDUL RAHMAN

JALAN TUANKU ABDUL RAHMAN, WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

OPENING HOUR: 24 HOUR



I-CITY SHAH ALAM

D-1-6, JALAN MULTIMEDIA 7/AJ CITYPARK, 40000 I-CITY SELANGOR, MALAYSIA

OPENING HOUR: 5^{PM}-12^{AM}



CAMERON HIGHLAND TEA VALLEY

4 MILE CAMERON HIGHLANDS, 39000 TANAH RATA, PAHANG, MALAYSIA

OPENING HOUR: 8.30^{AM}-6^{PM}



SKY PARK ONE CITY MALL

1, F-11-01, JALAN USJ 25/1B, ONE CITY, 47650 SUBANG JAYA SELANGOR, MALAYSIA

OPENING HOUR: 10^{AM}-10^{PM}



TEMPURUNG CAVES

PUSAT PELANCONGAN GUA TEMPURUNG, 31600 GOPENG, PERAK, MALAYSIA

OPENING HOUR: 9^{AM}-4^{PM}



LATAR KINJANG WATERFALL

35300 CHENDERANG, PERAK, MALAYSIA

OPENING HOUR: DURING DAYLIGHT ONLY

Food & Beverages



DAPUR SARAWAK

19, JALAN SARIKEI, PEKELILING, 53000 KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

OPENING HOUR: 10^{AM}-10.30^{PM}



CAPITOL NASI DAGANG

29, JALAN SS 21/1A, DAMANSARA UTAMA, 47400 PETALING JAYA, SELANGOR, MALAYSIA

OPENING HOUR: 8.40^{AM}-9.30^{PM}



ASAM PEDAS SEHATI MELAKA

49, JALAN PANDAN KEMAJUAN A, KAMPUNG PANDAN DALAM, 55100 KUALA LUMPUR, SELANGOR, MALAYSIA

OPENING HOUR: 7.30^{AM}-10^{PM}



PULUT MANGGA

12, JALAN RAJA MUDA MUSA, KAMPUNG BARU, 50300 KUALA LUMPUR, FEDERAL TERRITORY OF KUALA LUMPUR, MALAYSIA

OPENING HOUR: 8^{AM}-12^{PM}



AYAM PENYET AP

55, JALAN DWITASIK 1, DATARAN DWITASIK, 56000 KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

OPENING HOUR: 11^{AM}-11^{PM}



NASI LEMAK ANTARABANGSA

7, JALAN RAJA MUDA MUSA, KAMPUNG BARU, 50300 KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

OPENING HOUR: 8^{AM}-5^{PM}



MEETBALL IKEA

2, JALAN PJU 7/2, MUTIARA DAMANSARA, 47800 PETALING JAYA, SELANGOR, MALAYSIA

OPENING HOUR: 9.30^{AM}-10^{PM}



KARI KEPALA IKAN BANGSAR

6A, LORONG ARA KIRI 3, LUCKY GARDEN, 59100 KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

OPENING HOUR: 8^{AM}-5^{PM}



SATAY STATION

55, JALAN PANDAN KEMAJUAN A, KAMPUNG PANDAN DALAM, 55100 KUALA LUMPUR, SELANGOR, MALAYSIA

OPENING HOUR: 7.15^{AM}-11.0^{PM}

