

**The Implementation Plan for the 15th China Petroleum
Engineering Design Competition International Track**



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1. Introduction to the competition

1.1 Name and logo

English name: China Petroleum Engineering Design Competition

Abbreviations: CPEDC

Competition logo:



1.2 Contest organization

Contractor: National Committee of China World Petroleum Council

Chinese Petroleum Society

China Petroleum Education Association

Supporting Unit: China National Petroleum Corporation

China Petrochemical Corporation

China National Offshore Oil Corporation

Organizer: China University of Petroleum (Beijing)

1.3 Background of the competition

Currently, as the new round of scientific and technological revolution and industrial transformation is developing in depth, the development of conventional oil and gas resources has entered a plateau period, and unconventional oil and gas resources have gradually become the focus of oil and gas development. This not only poses new challenges to the existing development technologies but also changes the design of oil and gas field development from mainly meeting the functional requirements to an undertaking that needs to comprehensively consider multiple aspects such as drilling efficiency, reservoir protection, recovery rate, and economic

benefits.

To continuously promote the reform of the talent cultivation mechanism, help advance the construction of "Double First-Class" disciplines, and accelerate the establishment of an outstanding engineer cultivation system with Chinese characteristics and a world-class level, and to cultivate a large number of outstanding engineers in the new era. The China National Committee of the World Petroleum Council, the Chinese Petroleum Society, and the Chinese Petroleum Education Society jointly initiated and hosted a series of activities for the China Petroleum Engineering Design Competition. Adhering to serving the strategic needs of the national energy, focusing on the difficulties in oil and gas exploration and development as well as the bottlenecks in the cultivation of talents in colleges and universities, it has pioneered and explored a new model of industry-education integration and collaborative education featuring "enterprises setting questions - students answering questions - jointly overcoming difficulties - jointly cultivating talents", continuously improving students' ability to solve complex engineering problems and cultivating innovative, engineering practice-oriented, and team cooperative outstanding engineers in the oil and gas field who can adapt to the needs of social development.

2. Competition Topic

Technologies for the Green, Low-carbon and Intelligent Development of the Oil and Gas Industry and Their Applications

2.1 Contestants

The competition is open to graduate students from universities and research institutions worldwide, the participation of undergraduate and college students is also encouraged. Students may form a team of 1 to 4 members(The person ranked first is the team leader), with no restrictions on academic qualifications, and there can be a maximum of 1 advisor.

2.2 Competition Topic Setup

Participating students will showcase their innovative research in the relevant fields of the competition through papers. The competition requires entries to be written in English, with the submission of an English abstract and the full English paper. Outstanding award-winning papers will be recommended for presentation at major conferences both domestically and internationally.

2.3 Work requirements

2.3.1 Content requirements

(1) The content must be complete and within the research scope relevant to the competition theme. The paper has not been published and has not participated in previous competitions.

(2) Plagiarism is prohibited. The submitted paper and abstract must be original, and review articles are generally not accepted.

(3) Articles with multiple authors require the consent of all authors before registration.

2.3.2 Format requirements

Abstracts and papers should be formatted according to the specifications provided by the competition organizing committee. Please

refer to the attachments 2-4 for specific formatting requirements.

2.3.3 Submission requirements

(1) Submit the works in the format specified by the competition organizing committee.

(2) Adhere to the submission deadline specified by the competition organizing committee; submissions beyond the deadline will be considered invalid.

2.3.4 Work Ownership Statement

The ownership of the entries belongs to the participating authors. The competition organizing committee is prohibited from disclosing any content or information related to the entries throughout the entire judging process.

3. Review process

3.1 Preliminary Competition

Responsible Unit: Expert Committee of China Petroleum Engineering Design Competition

Evaluation Method: The competition's expert committee will assess and select papers, determining the entries that advance to the final competition.

3.2 National Finals

Responsible Unit: Expert Committee of China Petroleum Engineering Design Competition

Evaluation Method: Participants will undergo on-site defense (for international participants unable to attend in person, online defense is

acceptable) and Q&A sessions. Expert judges will score the presentations, and awards, including national first prize, second prize, third prize, and encouragement awards, will be determined based on the scores.

4. Award setting

First Prize: Up to one-tenth of the total final competition entries, along with a certificate and a cash prize.

Second Prize: Up to one-fifth of the total final competition entries, along with a certificate and a cash prize.

Third Prize: Up to one-third of the total final competition entries, along with a certificate.

Encouragement Award: Awarded to entries that did not receive first, second, or third prize in the final competition, along with a certificate.

Note: The organizing committee does not assume responsibility for corresponding factors beyond their control affecting the rewards for each category.

5. Schedule

5.1 Announcement of the Competition Topic

Date: January 1, 2025

Content: The competition organizing committee will release the competition theme through the official website.

5.2 Competition Registration

Date: March 4, 2025 to March 10, 2025

Content: Submit the registration form (Attachment 1) and the paper abstract to FPEF2025@163.com.

5.3 Submission of Entries

Date: March 18, 2025 to March 24, 2025

Content: Submit the papers to FPEF2025@163.com.

5.4 Preliminary Competition

Date: March 25, 2025 to April 8, 2025

Content: The competition expert committee will assess and select papers, determining the entries that advance to the final competition.

5.5 Announcement of the National Finals List

Date: April 9, 2025 to April 11, 2025

Content: Based on the preliminary competition review results, the competition organizing committee will announce the list of entries that have qualified for the national finals on the official competition website.

5.6 National Finals

Date: April 26, 2025

Content: The National Finals will include presentation and judge Q&A sessions, all arranged by the competition organizing committee.

5.7 Award Ceremony

Date: Afternoon of April 27, 2025

Content: The Award Ceremony will be held at China University of Petroleum (Beijing).

6. Contact information

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Notes: The final interpretation right of this implementation plan
belongs to the competition organizing committee.

China Petroleum Engineering Design

Competition Organizing Committee

January 1, 2025