



Process Engineering
and Energy Days
2020

International Case Study Competition

University Indonesia
March 5th - 7th 2020



about

I-CAST

International Case Study Competition (I-CAST) is one of the competitions of Process Engineering and Energy Days (PGD) 2020. This year is the 2nd time I-CAST was held. This competition can be participated by students of various major mainly chemical engineering all around the world. The competition focuses on analysis of a real industrial case, identification of main cause, and proposition of best solutions to solve the problem. The competition consists of three stages, which are abstract selection, full paper selection, and paper presentation. Participants who made it to the paper presentation will be given the opportunity to present their ideas in front of the judges from the academic community and industries. We take “Achieving Renewable Transportation Fuel by Tackling The Waste Problem” as the theme of this year’s event. This competition is made as a platform for students all around the world to apply and sharpen their knowledge on chemical engineering related issues along with proper analytical skills by creating insightful solutions to real-life problem in chemical industries.

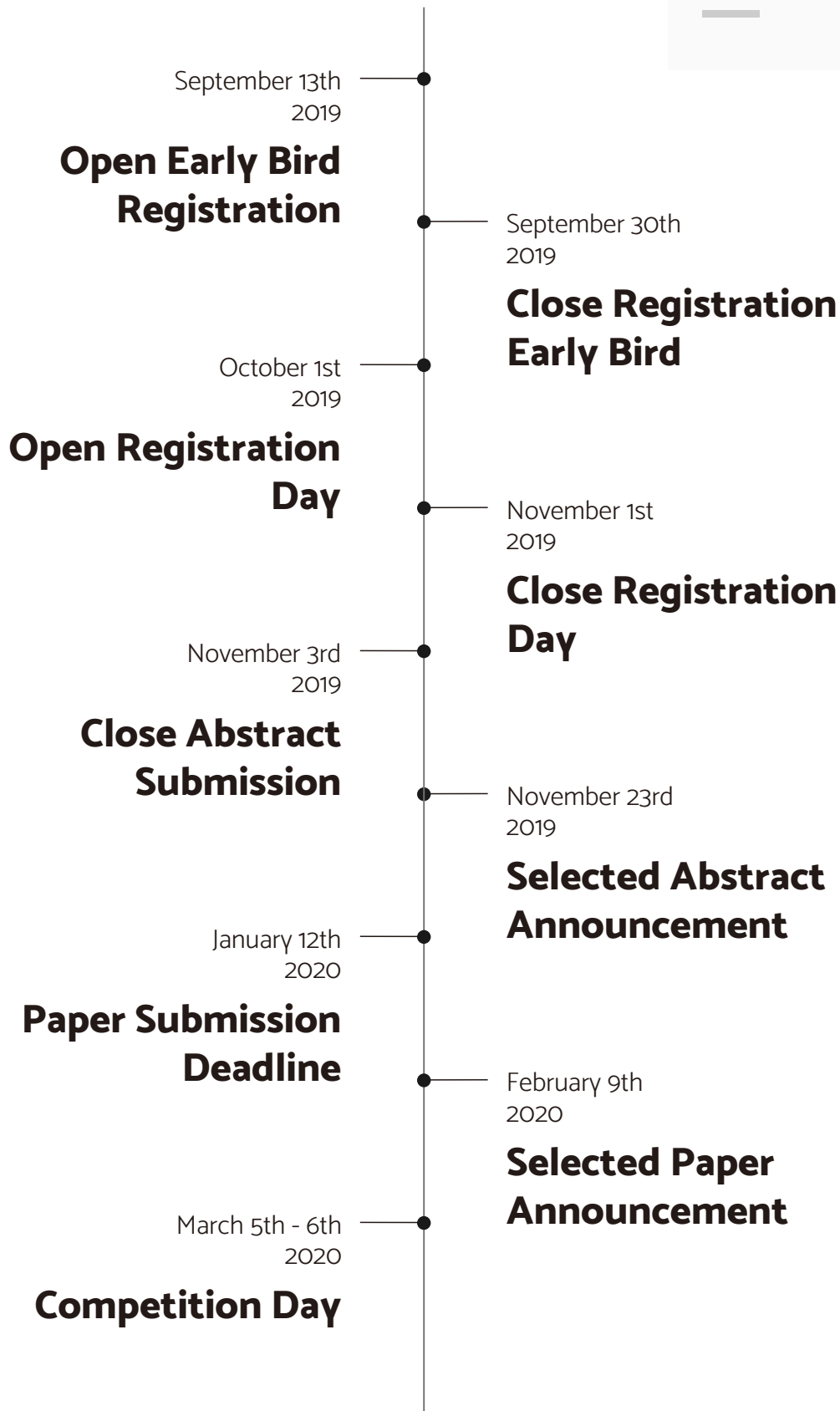
theme

Achieving Renewable Transportation Fuel
by Tackling the Waste Problem

Benefits

- Hone students' creativity in finding solutions to current energy and environmental problem.
- Increase student's ability in solving problems.
- Building connections between students, and relation between students and professionals.

Timeline



Competition Stage

1st stage: Abstract Selection

Each team must have completed the registration documents and fee of IDR 100.000/team for Batch I and IDR 150.000/team for Batch II before submitting the abstract.

The required documents for the submission are:

- **Abstract document (.pdf):** The abstract must describe a general solution to the case given. The abstract format is provided by the committee and will be given in the guidebook of I-CAST PGD UI 2020.
- **Newest photo** of each participant (size 4 cm x 6 cm, formal, colored, not black & white, .jpeg/.jpg)
- **Scanned letter from Major Department or University** stating that each team member is currently enrolled as a student in the stated college or university and not under academic sanction (.pdf/.jpeg/.jpg)
- **Scanned letter from the faculty advisor** stating that he/she is supervising the team in the making of the work (.pdf/.jpg/.jpeg)

2nd stage: Full Paper Selection

Selected teams have to submit their full paper to icast.pgdui@outlook.com in PDF format before January 12th 2020 11.59 pm (GMT +7) or 23.59 WIB. Format and regulation of the full paper is provided by the committee in Guidebook Stage II. Selected paper will be announced on February 9th 2020 through PGD UI 2019's social media.

3rd stage: Paper Presentation

The selected finalists have to pay the accommodation fee of IDR 575.000. Further payment guidelines and detailed rules for the Grand Final stage will be sent to the finalists after selected paper announcement. Each team will present their ideas in front of judges. Winners will be announced in PGD UI 2020 closing day.

Terms and Condition

- Participants must form a team consisting of 2 (two) students from the same university. At least 1 (one) of them has to be a Chemical Engineering major student.
- Each participant must be an undergraduate student of their university until March 2020.
- Each university may register more than one team join abstract selection.
- Each participant may only participate in one team. The changes participant of team after being registered is not allowed for any reason
- Each participant may not participate in other competition held by PGD in the same year.
- Students under any academic sanctions are not allowed to participate in this competition.
- The competition consists of 3 stages: Abstract Selection Stage, Paper Selection Stage, and Grand Final.
- Each team must be accompanied by at least one faculty advisors in the making of the work.
- Each team may only send one paper.
- Invited participants are students from local and International universities.
- Eight best teams will be chosen as grand finalists and will be invited to Universitas Indonesia, Depok, West Java, to present their paper in front of the judges.

Rules and Regulation

- All participants must fulfil the registration form before joining competition in accordance to the rules and specified time.
- Abstract and Full Paper must be related to case given from I-CAST PGD UI 2020.
- Abstract and Full Paper must be written in accordance with the format given by the committee.
- All submission entered in the competition shall not have been previously published in a professional journal or have been used in other regional or international competitions.
- Plagiarism and any other inappropriate behaviour will lead to immediate disqualification.
- All submissions and administration papers will become the property of Process Engineering and Energy Days 2020 Organizing Committee and will not be returned.
- All payments are non-refundable
- All decisions made by the judges and committee are absolute and not disputable.
- Any changes or additional rules and regulations will be notified to all participants prior to the competition.

Registration Process

Register

Register yourself via www.pgdui.com/i-cast to fill the application form.

Pay

Participants will receive an email (max. 3x24 hours) consisting payment guidelines and declaration letter.

- Early Bird (September 13th – 30th 2019)
Rp100.000
- Regular (October 1st - November 1st 2019)
Rp150.000

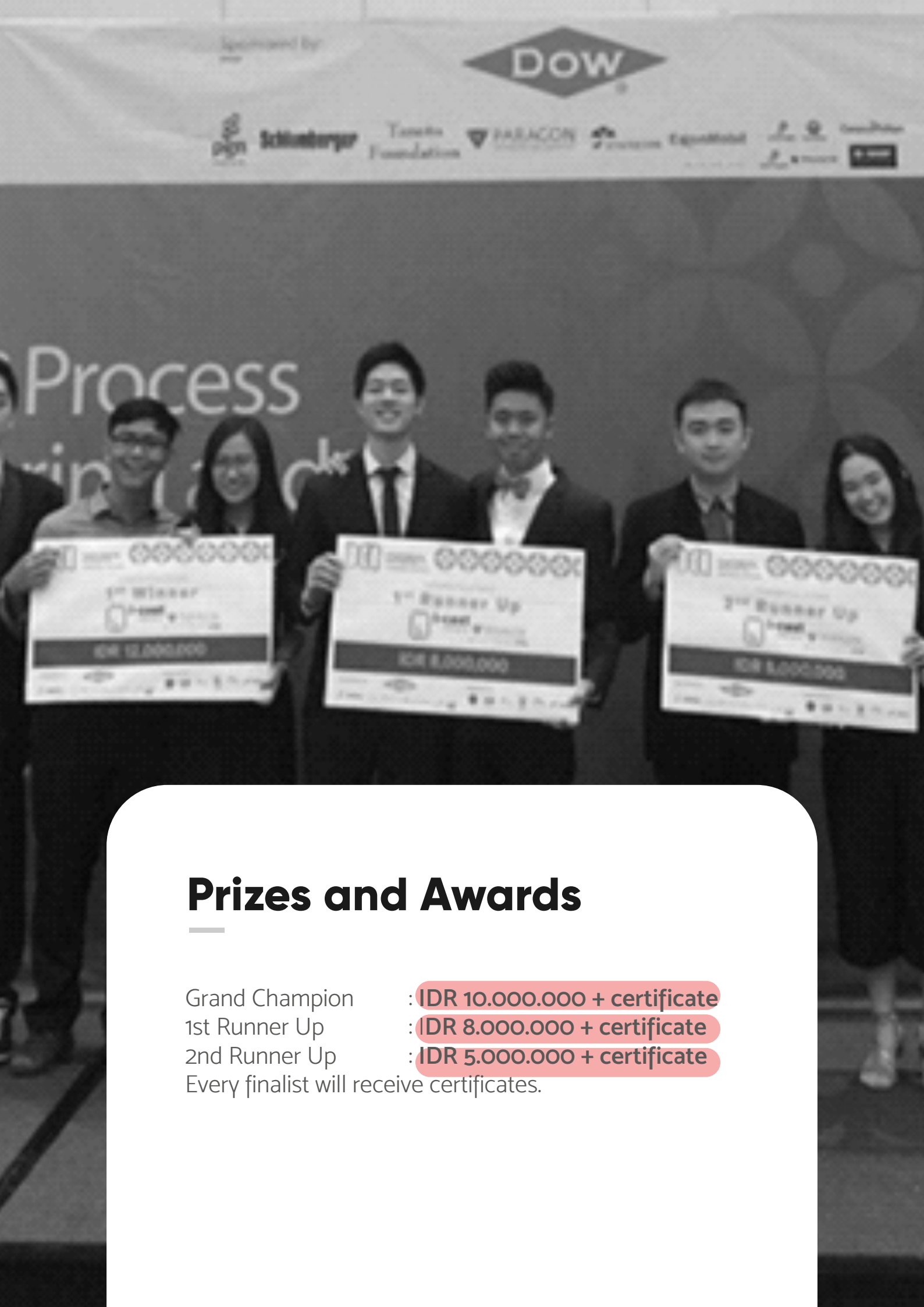
Send the payment receipt to e-mail
registration.pgdui@outlook.com

Get The Guidebook

After completing the payment, participants will receive the 1st stage I-CAST guidebook through email max. 3x24 hrs

Submit a Great Idea

Submit the abstract by email. The selected abstract will get the next stage CPDC guidebook.



Prizes and Awards

Grand Champion : **IDR 10.000.000 + certificate**
1st Runner Up : **IDR 8.000.000 + certificate**
2nd Runner Up : **IDR 5.000.000 + certificate**
Every finalist will receive certificates.

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