

2017

Jeux De Génie

DELEGATIONS' BOOKLET - 2017 ENGINEERING GAMES



POLYTECHNIQUE
MONTRÉAL

WORLD-CLASS
ENGINEERING

VIDEO GAMES

TAKE CONTROL



TABLE OF CONTENT

1. WORD FROM THE ORGANIZING COMMITTEE	2
2. THEME	3
3. RULES	4
4. REGISTRATION	6
5. IMPORTANT DATES	10
6. ACCOMMODATION	11
7. SCHEDULE	12
8. CHARITY	13
9. COMPETITIONS	14
10. EVALUATION CRITERIA	19
11. GODPARENTS	20
12. ORGANIZING COMMITTEE	21

1. WORD FROM O.C.



Dear participants,

It is with great pride that Polytechnique Montreal will host in January the 27th edition of the largest engineering competition of the province: the Quebec Engineering Games.

The race being almost over, the organizing committee of the 2017 Engineering Games is pleased to present you the briefing booklet of the delegations, which aims to give you all the official information related to this 27th edition of the Games. This booklet is mainly for the use of the executive committees of each delegation, however it contains general information on the event that will be useful to all participants.

This document is intended to complement the general regulations and the content of the website. You will therefore find all the necessary information for preparing your delegation for the event. We invite you to read this document thoroughly.

We wish you a good race and a good preparation for the Games,

The 2017 Engineering Games Organizing Committee



2. THEME



VIDEO GAMES

TAKE CONTROL



Have you ever imagined yourself wearing a Goron mask, transforming and rolling over the lands of Hyrule into the sunset? Have you ever wanted to own a Pikachu? Have you ever dreamt of completing the rainbow track directly the first time?

It is under the banner of video games that delegations from all Quebec engineering universities will participate in the various academic, sportive and cultural events that will be presented at the 27th edition of the Quebec Engineering Games.

These competitions will take place in a fun and original context and will integrate the theme in order to propose the most incredible challenges.

Delegates will participate in academic, sporting and cultural competitions during which they will be able to put forward and use their accumulated knowledge and their personal experience.

Real case engineering will also be offered during this competition in which pleasure, team spirit and self-surpassing will prevail.

The most talented future engineers will be gathered during the 27th edition of the Quebec Engineering Games to try to get their hands on the ultimate prize, the Xbox One trophy, the bag full of gold coins or the 100% completed Pokedex, that is the Engineering Games cup.

The individual themes of the delegations are eagerly awaited and can be sent to:

communications@jeuxdegenie.qc.ca

3. RULES



DELEGATION

A delegation is composed of a maximum of 44 participants, including its executive. There must be a head of delegation who is responsible in the eyes of the organizing committee and a substitute head in the absence of the first. The names of these two figures of authority must be communicated to the Engineering Games organization as soon as possible. To the 44 members, a maximum of two godparents per delegation can be added.

RESPONSIBILITY OF THE HEAD OF DELEGATION

The responsibility of the head of delegation and their executive committee is very important at the Engineering Games. For the good of all participants in an event that requires as much preparation and logistics, we expect that these few rules are followed. Therefore:

- Throughout the Games, the head of delegation has the responsibility of his delegation since he is the link between the organizing committee and participants. At any time, he must be able to inform the organizing committee of the whereabouts of each of his delegates.
- He must ensure that the rules and regulations are respected.
- He will vote for the delegation (other than his own) which he thinks deserves the points for team spirit.
- He shall attend all the meetings to which he is summoned and share the given information to members of his delegation.
- He will also participate in discussions on the heads of delegation mailing list before the Games.
- He must ensure that the complete registration forms for his delegation and its participants are forwarded to the organizing committee before the deadline.
- He shall ensure that each participant (including him and the godparents) sign the code of conduct of the Engineering Games and the policy regarding the deposit.
- The head of delegation is responsible for cashing the checks of the registration fee of each participant of his delegation.
- HE shall inform his delegation of the schedule and unexpected changes.

3. RULES



TEAM SPIRIT AND BEHAVIOR AT THE ENGINEERING GAMES

Each delegation is responsible for its members. All must show good citizenship, respect and team spirit throughout the event. **Unacceptable behavior, such as Stipulated in the sanction policy, authorizes the organizing committee to expel The offending participant, without notice.**

It is therefore required to show your colors, to stay dynamic and present while showing respect and good citizenship.

OTHER RULES

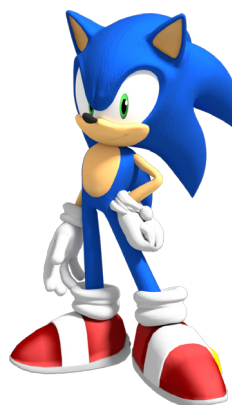
Please note that alcohol consumption during activities on the competition sites is strictly prohibited.

Please note that Polytechnique de Montreal is a smoke-free environment. Government laws will be enforced and fines could be distributed.

It is prohibited to put stickers on all competition sites as well as the hotel.

It is forbidden to bring beer or any other alcoholic beverages on the competitions sites except for the *dégrise* room.

Finally, **it is forbidden to possess or consume any kind of drug** during the Engineering Games.



4. REGISTRATION



Registration of participants will take place in the fall, during the month of November 2016. The delegations must provide all the information requested by the organization and this, for each of the delegates and godparents.

The registration fees are **300\$** taxes included per participant and **200\$** taxes included per godparent. **The participants' registration fees must be paid 100% by November 29th.** Should there be any delay in payment, a **penalty** of two hundred dollars (200\$) per week will be applied on the payable balance. For any payment received after December 6th, the penalty will be increased to five hundred dollars (500\$) per week.

DEADLINES AND INFORMATION TO PROVIDE

1. NUMBER OF PARTICIPANTS PER DELEGATION - (NOVEMBER 29TH)

You have until this date to confirm the total number of participants (including the executive) who will participate in the delegation. A maximum of 44 delegates per delegation is authorized.

2. REGISTRATION OF DELEGATES - (NOVEMBER 29TH)

You have until this date to send the completed registration forms, including information requested for each delegate. If the information is not given in the exact way it was requested, the file will be denied and you will have to submit it again. A template will be provided by email at the end of October for the transmission of this information. Here is the list of information that will be required for registration:

Information on delegation

- University
- Theme
- Hotel Rooms, Consents for the deposit policy and the sanction policy (see below)

(Continued on next page)

4. REGISTRATION



Information on participants (including executive and godparents) (google form already in your possession)

- Name
- Last Name
- Nickname (optional)
- Gender
- Birth Date
- School Year
- Email
- Phone Number
- T-shirt Size
- Study Program
- Food Allergies
- Drugs Allergies
- Health Disorders

Information on the Executive

- Names of the head of delegation, his substitute and the godparents
- Phone Numbers of the head of delegation, his substitute and the godparents
- Emails of the head of delegation, his substitute and the godparents

3. PAYEMENT - (NOVEMBER 29TH)

Each delegation must provide a check totalizing the amount for the registration of each delegate and godparent. An invoice can be issued by the treasurer of the organizing committee at the request of the delegation. You have until the deadline to send the full payment of the registration fees of all members of the delegation, the postmark validating the date. The check must be issued to the Quebec Engineering Games. We remind you that in the event of a delay in any payment, **a penalty of two hundred dollars (200\$) per week delay will be applied on the balance. For any payment received after December 6th, the penalty will be increased to five hundred dollars (500\$) per week. In addition, the deposit must also be paid before November 29 2016.** Upon arrival at the hotel, all fees must be paid. If it's not the case, they must be paid at the arrival of the delegation by a check that will be cashed the same day, otherwise the participation of the delegation to the Games will be denied.

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4. REGISTRATION



In case of inability to pay the fees on time, an agreement must be concluded with the organizing committee so that there is no penalty applied. The documents to provide the amounts to be paid must be mailed or emailed before dates indicated, the postmark validating the dates.

VERY IMPORTANT: The check for the deposit must be issued to the **QCESO**, unlike the check for participant registration that has to be issued to the **Quebec Engineering Games**. The head of the delegation can choose if this check is individual (one check per participant) or collective (one check by delegation). See below for information regarding the deposit. The address where the checks are to be sent is as follows :

Jeux de génie du Québec
1100, Avenue des Canadiens-de-Montréal
Montréal (Québec), H3B 2S2

4. COMPLEMENTARY INFORMATION - (NOVEMBER 29TH)

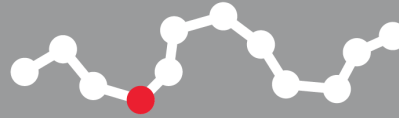
- CV in PDF format of each participant
- Photo of each participant (electronic passport format: 230 x 320 pixels, the face should not be less than 145x145 pixels and no more than 145 x 165, without accessories, we need to see your face!)
- Proof of registration in an engineering program for the semester of fall 2016 of each participant (excluding godparents). This evidence is often a certificate of attendance from the registration office showing that the participant is indeed enrolled in a bachelor's degree in the field of engineering.

CONSENTS: POLICY ON THE DEPOSIT AND THE POLICY OF SANCTION

This year, at the same time as sending the dispatch of hotel rooms, the head of delegation will send us a signed consent for each delegate (including executive and godparents) in respect to the deposit and the code of conduct to be respected during the Engineering Games. A delegate who did not sign all the consents will be denied participation at the Games.

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4. REGISTRATION



DEPOSIT

Due to past events that occurred, a deposit of **50\$** is payable for each delegate. The use of this deposit will be managed by the VP-Finance of QCESO and serve to pay breakage made by delegates, individually or collectively, as described Article 5 of the deposit policy for major events. Moreover, this policy must be read and signed by each delegate at registration.

POLICY OF SANCTION

The policy of sanction is a document that dictates the conduct expected of a delegate during the Engineering Games. It also includes all the consequences arising from non-compliance. A consent is signed by each delegate related with this policy.

DELEGATIONS MERGER

Until November 29th 2016 at 23:59 it will be possible to combine two or more delegations. The delegation that has the highest number of participants will be invoiced for all costs. It is then up to the delegation to split the costs with their partner. For information, to join the other heads of delegation or to us inform a delegation merger, please contact us at :

communications@jeuxdegenie.qc.ca.

EQUALIZATION

Small associations are entitled to equalization. The universities concerned will be contacted.

5. IMPORTANT DATES



The organizing committee has important deadlines to make certain prepayments, the following dates are to remember for payment of various fees mentioned above and for sending some information.

Please add those to your calendar !

Important dates	Deliverable
November 11th, 2016	Registration Deadline for the Heads of Delegation Meeting
November 26th, 2016	Heads of Delegation Meeting
November 29th, 2016	Payment Deadline : 100% of the Participants' Registration Fees
November 29th, 2016	Complete Participants' Registration Information
November 29th, 2016	Proof of Registration in an Engineering Program + CVs + Pictures
November 29th, 2016	Deadline for Delegations Merger
November 29th, 2016	Consents for Policy on the Deposit
November 29th, 2016	Dispatch of the Hotel Rooms
November 29th, 2016 (at noon)	Submission of the Machine Competition Mid-Design Report
Decembre 1st, 2016	Consents for the Policy of Sanction
January 3rd, 2017	Submission of the Machine Competition Video

6. ACCOMMODATION

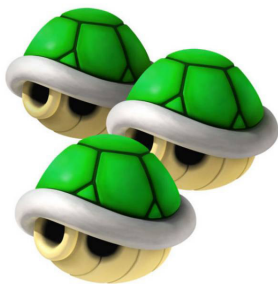


All participants of the 2017 edition of the Engineering Games will stay at the Sheraton Montreal Airport Hotel. One section will be reserved to accommodate all participants. There will be three room types: double, triple and quadruple occupancy. The rooms will be grouped by delegation. The list of participants grouped by room must be sent before November 29th, 2016.

Once responsible person per room will be designated and will transmit a valid credit card number. In case of any damage done inside the room or additional charges generated, the fees will be charged on the credit card directly. To ensure all delegates a pleasant stay, respecting the hotel policy is mandatory. The detailed list of the rules will be given upon arrival at the hotel on January 3rd.

Any breakage within the hotel will be assumed by the responsible delegations. In the event that no responsible can be identified, all participants will assume breakage via their security deposit. In the event that the amount of breakage exceeds the security deposit, the balance will be charged to the delegations. It is also prohibited to be on the floors that are not reserved for the participants of the Games. All wrongdoers will be expelled without previous notice from the Games.

Non-compliance with the rules will result in immediate expulsion of the occupants of the room and they will be charged for the rental of the room as if they had remained there and for the damage.



Sheraton Montreal Airport Hotel
555 Boulevard McMillan
Montreal, Quebec H9P 1B7
Tel : (514) 631-2411

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2017

11

7. SCHEDULE



	Tuesday January 3rd	Wednesday January 4th	Thursday January 5th	Friday January 6th	Saturday January 7th
Breakfast					
AM	Arrival of Participants	Academic Competitions	Sports' Day	Debates' Final	Departure of Participants
Lunch					
PM	Unified Games	The <i>Major</i> . Qualifications (Impro, Debates) and Trivia)	Sports' Day	Machine Design Competition Final	
Supper					
Evening	Opening Evening	Cultural Evening	Final	Banquet	

* This schedule is preliminary and may be changed without notice. The official schedule will be given upon arrival at the Games. Qualifications for improvisation and debates will take place during the trivia competition. Only people participating in the improvisation competition will have access to the qualification area. Arrival hours at the hotel for each delegation will be specified to the heads of delegations meeting.

OPENING EVENING

It is during this evening that delegations will present their theme and their costumes. Thus, prior to their arrival at the Games, each delegation should prepare a speech, a sketch or a short show (maximum 5 minutes) presenting the theme and costume of the delegation.

BANQUET

After four days of relentless competition, the traditional closing banquet of the Quebec Engineering Games takes place. This moment is an opportunity to honor the winners of each competition, but also to thank our partners. Without them, holding an event of the scale of the Engineering Games would be impossible. Please note that an evening outfit is required for the banquet.

8. CHARITY



Your participation in charity work allows you to earn points for the 2017 edition of the Engineering Games. This competition is worth 2% of the final result of the delegation. Every type of involvement counts and you have until your arrival to the games to get involved with your charity organization. This year, the organizing committee proposes to determine the charity work for which you want to do a good deed as follows: for this edition, the choice of the charity is yours. You have carte blanche.

Choose a cause that matters to you!

You will need to get involved with the charity of your choice to win the points for the competition. How to get involved? As you wish: Collection of material donations, volunteering, organizing an activity, working on awareness of the population, etc.

Be imaginative!

The organizing committee will collect the contact information of the person responsible of the charity organization your delegation wants to support in order to prove you achieved your good action. You must also provide to the committee pictures and/or videos of the involvement in the organization. You will need to provide the contact details by the end of the month of December. Verification with the charity will be done at the end of December, so as to leave you all the time possible to get involved before Games.



9. COMPETITIONS



ACADEMIC COMPETITIONS

Academic competitions aim to evaluate the capacity of participants to demonstrate their creativity, initiative and vivacity. Each test takes place on a four-hour period and is divided into two categories: theoretical and practical. The theoretical part consists of a questionnaire, similar to the exams the participants will face throughout their bachelor's degree, while the practical test takes the form of an assembly, a case study or a laboratory experiment. Academic competitions were chosen to cover the majority of engineering programs in Quebec.

Here is the list of academic competitions presented in the Engineering Games this year:

- Chemical Engineering
- Civil Engineering
- Engineering Council
- Electrical Engineering
- Industrial Engineering
- Computer Engineering
- Mechanical Engineering
- The *major*

Details about the competitions will be specified in the competition booklet.

CULTURAL EVENING

In the past called "Surprise Thursday", "General Knowledge" or "Night of the 25th " in 2015, the cultural evening is a competition with several small hints to the theme of the year aimed to test the range of knowledge, expertise and culture of participants outside their academic setting. All members of each delegation therefore participate in the competition to build on their hidden talents and share their complementary knowledge.

9. COMPETITIONS



SPORTS' DAY

Sporting competitions are an opportunity for the participants to stand out a different area than engineering. Participants will need to face a day where their skills, their power and physical endurance will be put to the test. Indeed, sports will be played in the form of full day tournaments where each members will need to demonstrate team spirit, strength and agility.

MACHINE DESIGN COMPETITION

The machine design competition is the centerpiece of the Games and, unquestionably, the most difficult challenge to overcome. This is actually the only competition where competitors are working during all fall before the Games. This machine should move on a predetermined course and score points, while fulfilling certain functions, such as moving objects, bypassing obstacles and transforming energy.

Participants must submit their achievement, in front of the public, to members of the jury who will evaluate the concept on all its facets as well as the final performance. Participants, from different engineering programs, must apply their academic knowledge, expertise in engineering and project management. They must not only manage a budget and often limited resources, but also reach the most competitive product possible.

All details and regulations regarding the competition are available in the machine design specifications booklet on the website.

TRIVIA

For the trivia competition, each delegation must form a four-member team for the tournament. They compete in teams or individually, answering as quickly as possible to questions covering several topics. The questions are varied and cover topics that may have been covered in class as well as topics totally different than traditional academic concepts. Some questions are deliberately very difficult to see the expanded knowledge of the participants, while others are easier in order to test the alertness and quick thinking of the participants.

9. COMPETITIONS



DEBATES

As part of its functions, the engineer often has to present projects to clients or to his own team. It is therefore necessary to test his talents as a speaker, which allows him to debate an opinion effectively in a multidisciplinary environment. This situation forces participants to show repartee, eloquence and tact while following a specific protocol. Indeed, participants compete in pairs by developing an argument on the spot, debating a position and a subject imposed. The evaluation is based on the relevance of arguments, clarity, analytical mind, presentation, ingenuity and originality. Preliminary rounds will be disputed before the elimination rounds to rank the participating teams.

IMPROVISATION

As for the debates competition, it is important for the future engineer to improve his oratorical skills and social skills. Through this competition, teams must be imaginative, responsiveness and timeliness. This competition stands before an energetic public composed of all delegations. First of all, a preliminary round is held to familiarize the players with the style of the competition and to exercise their repartee and team spirit. Then, the evening of improvisation in public takes place. Each delegation will have a team of four players including the captain. Each team also has the opportunity to have a coach who acts as a mentor throughout the games, but does not participate in the tournament. Each team must have at least one representative of each gender.

GENERAL PARTICIPATION

The general participation is evaluated with several aspects. Throughout the game, we expect active participation of delegations in all activities, including competitions, evenings and activities with partners. Eco responsibility will also be considered in this category. It is a dynamic respectful, responsible and constant attitude which will allow you to accumulate points in this category. **We remind you that good participation means respecting the people around you, the environment, the places, the equipment and all the organizers of the Engineering Games.**

9. COMPETITIONS



TEAM SPIRIT

Team spirit is often regarded by the veterans as one of the most prestigious awards of the competition. The winner is chosen by the judges present throughout the Games and the heads of delegation.

The points evaluated by the judges are:

- Cohesion within the delegation
- Behavior and punctuality of the delegation
- Visibility and longevity of your delegation throughout the Games
- Leadership of the delegation at the Games

Points valued by the heads of delegation:

Each delegation has two votes, but cannot vote for his own delegation. The delegation who received the most votes will be awarded the maximum points which can be awarded by the heads and other delegations will receive a percentage of the points relative to their number of votes.

Therefore, we recommend to be present, visible, noisy while adopting a civilized behavior and displaying your colors proudly. As we are aware that a small delegation may not make as much noise as a full delegation, there will be a price for small delegation participation, dissociated from the participation price of large delegations.

SOCIAL NIGHTS : THE "DÉGRISÉS"!

The tradition is that every night a group of delegations unite to take control of the evening and to offer the best night of your life. These delegations will get the chance to earn participation points. The organizing committee is open to all animation ideas, as long as they respect the hotel's regulations. We will choose randomly the delegation combinations and they will be announced at the heads' meeting. You can then discuss and reserve your themes on the heads' mailing list. **Please note that only participants in the 2017 Engineering Games will be admitted to the Dégrises Room.**

9. COMPETITIONS



EXPLOIT NIGHTS

Again this year, we will proceed with a draw for the selection of participants at this competition. Participants who will participate in the exploit night will be known at a certain time of the night and will have 15 minutes to get to the indicated meeting point, after which it will be too late.

Note that if you are invited to an exploit night, it is impossible to be second invited a second time during the Games. During the 3 nights, the heads will be allowed to replace the participants if they are not available and will have the right to ask 3 times for a new draw.

THEME (PRESENTATION, ORIGINALITY AND COSTUMES)

At the traditional presentation of the delegations, each delegation will have the opportunity unveiled its theme through a short performance. The points for this category will be awarded based on the presentation of the theme, costume, overall originality and the link with the theme of the games.

GODPARENTS' COMPETITION

The godparent's competition will still be part of the Games this year. Surprises are the rendezvous!

10. EVALUATION CRITERIA



Category	Competition / Evaluation criteria	%
Academic Competitions	Chemical Engineering	5%
	Civil Engineering	5%
	Consulting Engineering	6%
	Electrical Engineering	5%
	Industrial Engineering	5%
	Computer Engineering	5%
	Mechanical Engineering	5%
	Major Competition	6%
	Total Points for Academic Competitions	42%
Sports Competition	For each of the 5 sports	2%
	Total Points for the Sports Competition	10%
Cultural Competitions	Debates	6%
	Improvisation	5%
	Trivia	6%
	Cultural Evening	1%
	Total Points for Cultural Competitions	18%
Machine Design Competition	See Machine Design Specifications for the criteria	20%
	Total Points for the Machine Design Competition	20%
Participation	Theme (Presentation, Originality and Costumes)	1%
	<i>Dégrise</i> (Animation, behavior)	1%
	Exploit Night	1%
	Godparents' Competition	1%
	General Participation	2%
	Team Spirit	2%
	Charity	2%
	Total Points for Participation	10%
Total Points		100%

11. GODPARENTS



It is more than desirable for godparents to know the members of their delegation. Include them as much as possible during your activities in order to facilitate communication with delegates. Remember that the ultimate role of the godparents is to help the executive to transmit relevant information to the delegation. They can use their experience in the games to guide the members of their delegation throughout the event.

University	Godparents
École Polytechnique de Montréal	- Thierry "Titi le Papillon" Meunier - Augustin "Gustre" Renaud
École de Technologie Supérieure	- Olivier Harvey - Alexandre "Armand D'eau" Emond
McGill	- Rachelle Sederoff - Corine Ellyson
Concordia	- Jasmin "Mum" De Campos - John "French" Dinan
Sherbrooke	- Xavier "CdC" Coupal - Dominic "Otos" Otis
Université Laval	- Francois " Mononcle René" Turcotte - Lydia " Matante Renée" Pedneault
Université du Québec à Chicoutimi	- Francois "Cougar" Desgroseilliers - Pierre-Olivier Richard
Université du Québec à Rimouski	- Julien "Vomito" Dubé - Shawna Baker
Université du Québec en Abitibi	- Justin Asfour - Alexandre "Yolo" Cosentino
Université du Québec à Trois-Rivières	- Antonny "Pharaon" Laveault - Laurence " Cléopatre" Gravel

12. ORGANIZING COMMITTEE



The organizing committee of the 2017 Quebec Engineering Games sincerely thanks you for the special attention you have given to this document. We are extremely happy to have you join us in this epic and memorable adventure that is the 27th edition of the Quebec Engineering Games. For any questions or comments, please contact us, we will be glad to answer you!

Jean-François Chauvette - Co-president & communications by interim
communications@jeuxdegenie.qc.ca

Judith Mageau-Béland - Co-president & Treasury by interim
tresorier@jeuxdegenie.qc.ca

Gabrielle Beauchamps & Arianne Boulais - Competitions
competitions@jeuxdegenie.qc.ca

Gauthier Viau & Simon Barrette - Machine competition
machine@jeuxdegenie.qc.ca

Marie-Catherine Paquin - Social
social@jeuxdegenie.qc.ca

Marie-Lie Lévesque - Logistics
logistique@jeuxdegenie.qc.ca

Mikaël Dagenais - Financing
financement@jeuxdegenie.qc.ca

Jeux de génie du Québec
1100, Avenue des Canadiens-de-Montréal
Montréal (Québec), H3B 2S2

