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XXXI 2025 TRUJILLO
CONEIMERA



TORNEO OFICIAL
LIGA NACIONAL DE
ROBÓTICA DE
COMPETENCIA 2025



REGULATIONS

SEG. LINE SPEEDSTER

AMATEUR+ SEÑOR+ MASTER

6, 7 Y 8 DE AGOSTO 2025
UNIVERSIDAD NACIONAL DE TRUJILLO, PERÚ

I. Presentation

The Robotics Tournament "InkaChallenge IV Edition CONEIMERA" is a Robotics and Tech Sports festival, which brings together young people from different Latin American cities and countries in a series of tournaments and competitions based on technological prototypes of their own creation.

This event is organized by the Robotronics-UNT Robotics Club of the National University of Trujillo, within the framework of the XXXI National Congress and International Exhibition of Mechanical, Mechatronic, Electrical, Electronic Engineering and Related Branches CONEIMERA Trujillo 2025. The competition is refereed and directed by Tech Hunter Entertainment, through its program "Let's Go Robot", which guarantees impartiality and transparency in the qualification of the participants and the development of the tournament.

The Robotics Tournament "InkaChallenge IV Edition CONEIMERA" will be held on the campus of the National University of Trujillo, in the city of Trujillo, La Libertad, Peru, on Wednesday 6, Thursday 7 and Friday August 8, 2025.

IMPORTANT: This document describes the rules and regulations of the "InkaChallenge IV Edition CONEIMERA" Robotics Tournament. By registering for this competition, the participant accepts each and every one of the terms of this document, and is responsible for complying with them, otherwise he/she may be disqualified without the option of a refund of the registration fee.

II. Definition: What is a Velocity Line Follower?

A Velocista line follower is a mobile robot capable of following a simple path traced by a line, without intersections, obstacles or sharp angles, in an autonomous way, using sensors and a programming algorithm, seeking to perform its path in the fastest possible way.

IMPORTANT: The basic principle of operation of the robot is through line sensing, so it must be verified that the robot detects the path line and that it only bases its movement on this sensing, without using pre-programmed movements or remote control, or the use of any other type of sensor or encoder.

This competition has three categories: Amateur, Senior and Master, selecting the competitors according to the technical characteristics of the robot and the degree of experience of the pilot in official tournaments and his degree of studies. A competitor with the knowledge or experience for the senior category will not be able to participate in the amateur category, despite having a robot with components of this category, and vice versa.

Remark: This rulebook is based on the "Rulebook - Let's Go Robot 2025", which can be found at the following link:

<https://bit.ly/LGRLibroDeReglas2025Peru>

III. Call for Entries (Participants and Teams)

This competition is aimed at competitors of any age and grade of study (each category), who have at least basic knowledge about robotics, and about the operation and construction of a competition robot, and can attend the event carrying a robot prepared to participate in compliance with these rules.

Each robot in competition may not have more than one pilot, and this pilot may not be replaced during the entire tournament.

A participant must register representing a robotics team, or an educational institution, however, he/she cannot belong to more than one team at the same time. Each participant with his/her respective robot must register individually.

The category in which each pilot will compete with his robot will be defined by the judges of the competition based on the photograph of the robot sent in the registration, the academic degree of the competitor, and the evaluation made at the beginning of the competition.

League	Academic level
Amateur	<p>School children: From 4th grade of high school (lower grades will be accepted only if they demonstrate the necessary knowledge in the homologation)</p> <p>University/Institute: Free, with the exception of:</p> <ul style="list-style-type: none"> - Competitors from 7th cycle of Electronic Engineering, Mechatronics Engineering, or similar (except at the judge's discretion). - High-performing competitors in the Amateur League in 2024 - Competitors with more than 2 years of experience official Amateur League tournaments, regardless of their results. - Competitors who are competing in Senior League or Master League in any competition. <p>Graduates: Not allowed</p>
Senior	<p>School children: Not allowed (except for competitions with Otto robots).</p> <p>University or technical institute: Free</p> <p>Graduates: Competitors with a maximum of 2 years of tournament experience. Senior League officials (or equivalent)</p>
Master	<p>Schoolchildren: Not allowed</p> <p>University, Technical Institute and Graduates: Free</p>

REMARKS:

- A competitor with the appropriate level to compete in the senior and master leagues may not compete in the amateur league, in any of the competitions, even if he/she has never competed in that competition before.
- An amateur league competitor, who for reasons of force majeure must be replaced during the competition (only with the approval of the competition judge), may only be replaced by another competitor of the same team and of the same league, without the possibility of being replaced by his coach, or another competitor of a higher league.
- A competitor in the amateur league may only enter a maximum of one robot in that category, and may not compete at higher levels.
- A competitor who meets the requirements of the senior league, may compete in both senior and master, within the same event, as long as he/she submits a different and complete robot for each league. That is to say, the competitor may not compete with the same robot in both levels, nor share components between both robots to be presented, and may only present a maximum of one robot in each level.
- A master league competitor, who exceeds the senior league requirements, may not submit any robots at the senior level, with the exception of tournaments or competitions where the master league is not open or does not exist, however, may submit up to a maximum of two robots within the category.

IV. Enrollment Process

The registration to the competition will be made by each robot, being its pilot the person in charge of the corresponding registration.

The registration fee is described in the following table:

Category	Price
Amateur	S/.40
Senior	S/.50
Master	S/.60

Registration will be done through the following link:

<https://bit.ly/InkaChallengeVInscripciones>

Both the registration and the payment of the registration fee must be made before the deadline specified in this document, otherwise it will not be considered for the competition. **In case of any irregularity or falsity in the information submitted, the registration will not be taken into account, even if the corresponding payment has been made.**

The payment of the registrations will be made via Yape or Plin (or via PayPal in the case of foreign competitors), and must be made by the team leader after registering all the robots of the team, in a single deposit for the whole team. The total amount to be paid and the account number or link will be sent to the team leader. In case of payment by PayPal, the transfer fee must be covered by the team.

In case of underage competitors: In addition to the registration, an image use authorization document signed by their parent or guardian must be submitted. The form will be sent to the person who registered the robot after registration.

Admission for spectators to the event will be free and free of charge, being at the discretion of the organization the entry of external people to the event site.

Spectators of the event will have restricted access to the technical and competition area, even if they are close to a competitor.

EDICION

CONEIMERA

V. Competition Schedule

Activity	Date	Time
Registration Closes	Friday, August 1st	23:59h
Drawing of Participation Shifts	Sunday, August 3	19:00h
Official competition	August 6, 7 and 8	9:00h

Time	Thursday 06	Friday 07	Saturday 08
9am to 11am	Approvals day 1 Tests	Approvals day 2 Tests	Approvals day 3 Tests
11am to 1pm		MicroSumo Master Kung-Fu Robot	Velocista (Amateur) Combat 3D and 1lb. (1st Round)
1pm to 2pm	Lunch	Lunch	Lunch
2pm to 5pm	Inauguration of Combat 3 Pounds MiniSumo Autonomous (Master, Senior, Amateur)	Robot Soccer (Amateur) Line Safety Enhanced Robot Walking-Race	Velocista (Senior) 3D and 1 Pound Combat (2nd Round)
5pm to 7pm	Robot Soccer (Senior) Robot MicroMouse (Amateur, Senior)	MiniSumo Bluetooth/RC (Amateur, Senior, Master) Turbo Line Seg.	Nat-Car Line Seg. 3D Combat and 1 pound (Finals) Awards and Closing Ceremony

Remarks:

- The schedules are referential. All competitions will be held sequentially, one after the other, so each competitor must be aware of the development of the entire event in order not to miss any turn of participation.
- It will be tried as much as possible to avoid parallel categories. In case this happens, the team leaders will be informed in advance to avoid crossings.
- Each day of competition presents a homologation stage, however, in case the competitor wishes to make an early homologation, it can be done in coordination with the judges.
- The homologation closing time is fixed. Competitors who do not arrive on time at the homologation stage will not be allowed to compete in the categories of the corresponding day.
- It is possible that the schedule may vary according to the number of participants in each category, in which case it will be notified during the drawing of groups and shifts of participation.

VI. Robot Characteristics

Criteria	Amateur Category	Senior Category	Master Category
Maximum dimensions	20cm wide and 25cm long	20cm wide and 25cm long	30cm wide and 30cm long
Maximum height	No Limits	No Limits	No Limits
Sensors	Maximum 8, only in module (QTR8A, QTR8RC, TCRT5000 or similar)	Free	Free
Engines	Only 2 geared motors (yellow or light blue), unmodified.	Only 2. Free	Free
Wheels	Only 2. Default of yellow motors, unmodified	Only 2. Free	Free
Rubbers	Free	Free	Free
Driver	Free (Only 1)	Free	Free
Microcontroller	Arduino UNO Arduino Nano Raspberry Pi Pico ESP32	Free	Free
Turbine	Not allowed	Not allowed	Free
Assembly of components	Protoboard Direct Wired Generic Shield PCBs of our own design	Free	Free
Chassis	MDF 3D printing Recycled material	Free	Free
Robot start-up	Built-in switch or push button	By switch, push button, IR or Bluetooth control	Free

IMPORTANT: The use of commercial educational kits such as LEGO or VEX, or commercial robots such as mBot, Robi or similar, or robots that have been purchased fully built, is not allowed.

If the judges of the competition detect that a robot is not of the pilot's authorship, or that the pilot did not participate in the construction of the robot, the robot may be disqualified without the option of a claim or refund of the entry fee.

IMPORTANT - For the Amateur category: The use of commercial PCB boards will not be allowed, that is to say, in case the robot uses a PCB board, it must be of its own design. In case a robot is detected using a commercial PCB, it will be reassigned to the Senior level. In addition, the robot must have a base or chassis where both the motors and the PCB (if used) are assembled. In this category, robots that use their own PCB as a chassis will not be allowed.

IMPORTANT - For the Senior category: The robot must be fully prepared for this level. In case the robot uses a PCB with a hole to place a turbine, it will be reassigned to the Master level, even if the robot does not have the turbine in place.

For the start-up and activation of the robot:

If the robot is activated with a wireless or bluetooth control, the judge must verify during the competition that this control is not used in the robot's path.

In case the robot uses a built-in push button or switch, it should be in a visible and easily accessible place.

Under no circumstances will a robot be allowed to start its participation with the motors on or with the competitor holding its robot in the air.

The use of sticky substances to improve traction is not allowed. Tires and other components of the robot in contact with the competition surface must not be able to lift and hold for more than two seconds a standard sheet of paper (80g/m²).

IMPORTANT - For the Amateur category: The inside of the gearbox of the motors must not be tampered with. In case the judge detects the opening of the gearbox or its modification, he may disqualify the competitor without the right to complain. The wheel of the robot must be assembled directly to the default shaft of the motor, therefore, no external gears may be used to modify the reduction.

The robot may not leave behind or detach any part of its structure during its operation, otherwise it must restart its participation, or it will be disqualified at the discretion of the judges of the competition.

The robot must have its own wireless power source. The use of robots connected to electric power is not allowed. In addition, it is the competitor's responsibility to have his batteries properly charged at the time of being called to compete, otherwise he will lose the competition by "walk over", without the possibility to ask for extra time to recharge batteries, unless the judge deems it necessary and justified.

The robot may not contain any components that will soil or damage the competition area, otherwise the competitor may be disqualified from the tournament.

The robot must be prepared to operate in variable light conditions, as well as in spaces with or without a roof. At the same time, it is the responsibility of the organizing committee to guarantee an adequate and clean environment for the competition, so it must consider a cleaning staff for the track, and consider that an environment with excessive sunshine may affect the operation of the robots and the health of the pilots, as well as foresee situations of rain, snow, hail or other environmental factors.

VII. Characteristics of the Area of Competence

The track design will be revealed on the day of the competition during the testing stage.

The line following the path shall be black (C: 75, M: 68, Y:65, K:90; HEX: #282829) with white background, or vice versa, with a width of 19mm.

The track surface shall be made of melamine of original color (unpainted), or a similar wood material, with the necessary thickness to avoid undulations and remain completely flat, and with the path traced with insulating tape or painted in a matte color (in the latter case, the paint must not generate lumps or elevations in the path).

Important: It is the responsibility of the organizer to ensure that the surface on which the track will be placed will be completely smooth and flat, and that it does not present "plates" joined at unevenness. Likewise, the ground on which the track is placed must not be sloping.

The circuit may not contain bifurcations, discontinuities, endless roads, loops, intersections or obstacles, and must be made "in a single line", forming a closed circuit.

The circuit may contain circular, elliptical or parabolic curves of diameter not less than 30 cm, taking as reference the center of the lines. The circuit may contain sharp angles of not less than 90°. The shortest distance between two lines of the circuit shall be 30 cm, measured from the center of the lines, as well as the shortest distance to the edge of the track.

In case the track has the logos of the event, organizers, sponsors, or any other type of graphics, these must be separated at least 30cm from the lines, because they can be sensed by the robots in case they are close to the circuit.

The track should have a start/finish marker, 30cm away from the track line. It is recommended not to place this indicator near the lines or in the form of intersection. In case using sensors to measure the time made by the robots, these should be at least 30cm from the lines, and make sure that they do not affect the robots' path, and at the same time have an adequate detection of the robots.

VIII. Competition Dynamics

IMPORTANT: If a category has less than 8 robots, the competition will not have a preliminary stage. The modality of each stage (timed or chase) will be decided by the judges at the time of the drawing of lots.

✓ Testing Stage

This stage consists of a period of preparation of the competitors on the official track, or a similar track with the same characteristics.

The testing stage will be carried out in parallel to the homologation stage, however, **access to the testing area will be given exclusively to competitors who have successfully completed the homologation stage.**

During this stage, only competitors registered in this competition will be allowed to enter the assigned area, being forbidden access to participants not registered in this category, advisors or external persons.

The test track shall be open to all pilots in this competition. During this stage, all competitors must respect the tests of the other participants in the use of the track, trying to keep only one robot at a time inside the test track.

Although this stage is not graded, it must be supervised by a judge, who will watch over the orderly use of the track, and may disqualify competitors who behave inappropriately during this stage.

IMPORTANT: Competitors are recommended and reminded that, in case they find it difficult to reach or surpass the times set by their rivals during the testing stage, they should keep their commitment to participate in the official competition and not withdraw from the tournament.

✓ **Homologation Stage:**

This stage consists of the evaluation of the robot and its pilot by the judges, in order to verify that the robot meets the requirements of the regulations, and that the pilot has been the one who has built the robot or has participated in its construction, and that it has not been acquired completely assembled from third parties.

Each robot will have only one representative or pilot, even if it has been built by several people. In turn, a pilot may not present more than one robot in this competition, and may present other robots in other competitions of this tournament.

IMPORTANT: The homologation must be performed without the presence of the public, and can only be performed by the pilot of the robot, without the company of any other member of his team, his advisor, or any other person, and may not receive advice of any kind.

The homologation will consist of the measurement of the robot and verification of components by the judge. This evaluation includes verification of the submitted robot against the photograph submitted in your registration.

In addition to the verification of the robot, the judge may ask the pilot to perform a small demonstration on the test track, in order to verify the correct operation of the robot, and to verify that its movement is based on sensors and not on any other mechanism. After the robot verification, the judge may ask some questions about the construction, composition, programming or configuration of the robot, in order to verify the pilot's authorship of the robot.

It is the competitor's responsibility to maintain the homologation requirements and the composition of the robot throughout the competition, otherwise he/she may be disqualified. If any component needs to be replaced during the tournament, the corresponding judge should be consulted before doing so.

IMPORTANT: If a robot has not met the homologation criteria at the end of this stage, or if it has been detected that the robot is not of the pilot's authorship, it will not be allowed to compete and will be disqualified without the right to claim, extension or refund of the registration fee.

✓ Timed Mode

In this stage, each robot will compete independently on the track, without any other robot in the competition area. This mode consists of a one-lap run around the track, in which the robot's time is measured.

This stage can be carried out for both categories at the same time, with a separate leaderboard.

This stage will be carried out in 3 rounds, in each of which each robot will make a single attempt to make a lap around the track (with a second opportunity in case the judge considers it pertinent, or due to a failure in the time measurement). The official time assigned to each robot at the end of this stage will be the shortest time of the three rounds.

Each attempt of a robot in a round will have a maximum time of 2 minutes (120 seconds). In case the robot does not reach the finish line, either by exceeding the maximum time or by leaving the track, it will be assigned a time of 121 seconds in that round.

IMPORTANT: During this stage, no competitor will be allowed to perform any kind of tests on the official track.

During the competition, the competitor may take his robot to the area assigned to competitors, and make minor repairs, reprogram or charge the batteries of his robot, taking care not to modify its composition or affect the homologation conditions.

Upon being called to make his attempt, the competitor must report to the competition area within a maximum time of 1 minute (60 seconds) with his robot completely ready to compete, and start his attempt at the judge's signal.

IMPORTANT: In case a competitor or his robot is not ready when called to compete, he will not be able to request an extension or time for repairs at the time of the call or during his attempt, and he will be assigned a time of 121 seconds in the round, without disqualifying himself from the tournament (i.e., he will be able to participate in the following rounds if it is not the last one).

At the end of all the rounds, the judges will define an order of merit according to the official times of each robot. After this stage, a maximum of 8 robots will qualify to the final stage (in each category), provided that all of them have been correctly homologated and have been able to complete the whole circuit.

Each participation (round) of each participant will follow the following dynamics:

- At the start, the judge will call each competitor to the competition area according to the established order.
- **The competitor will have a maximum of one minute to reach the competition area when called.** In case the competitor does not arrive in the established time, he/she will lose the right to make his/her attempt, and will be given 121 seconds in the round.
- After entering the competition area, the judge will do a quick check of the robot, and the competitor must place his robot on the track, behind the start indicator.
- The competitor must energize the robot, calibrate its sensors, place it at the starting point, and wait for the start order from the judge. **The robot must not start its operation until it receives the judge's order**, nor be placed on the track with the motors active. In case the robot has a turbine, it can be turned on when the robot is energized, according to the competitor's choice.
- **IMPORTANT: The competitor will have a maximum time of 1 minute from the time he enters the competition area until he places his robot ready to start his round, this time includes the calibration of sensors, and/or minor repairs needed. If the competitor is not ready in this time, he/she will not be able to perform his/her round, and will be given 121 seconds as time for that round.**
- After robot is placed on the track, the judge will give the start command, after which the competitor must activate the movement of the robot, without pushing it, and move away from the track. The competitor may not touch or influence the robot's path until the judge allows it.
- In case the robot leaves the track, stays on the same spot, or stops, it can return to the track autonomously (without pilot intervention) in a maximum of 10 seconds, without having skipped an important sector of the track.
- The robot's attempt will be terminated after the robot crosses the finish line, or if any of the cases described in the previous point occurs for more than 10 seconds. **The competitor may pick up his robot from the track only after the judge has terminated the attempt.**
- After picking up his robot, the competitor must immediately leave the competition area in order to allow the next competitor to pass.
- The time given by the judge must be recorded immediately after the completion of each attempt, and is final. **It is not permitted for any competitor or outside person to seek to induce the judge's decision verbally, with another stopwatch, by showing videos, or by any other means.**

✓ Pursuit Mode

This stage consists of a "one on one" confrontation between two robots in a chase race, in which both robots start their journey at opposite ends of the track, and the winner will be the robot that manages to reach its rival within a time limit of 2 seconds, without leaving the track.

IMPORTANT: During this stage, no competitor will be allowed to perform any kind of tests on the official track.

This stage will be held in key format (quarterfinals, semifinals, third place and final) separately for each category, with each confrontation being a single "round", with the possibility of "two of three rounds" if there is enough time in the event, according to the following distribution:



Each "round" or round will have a maximum duration of 2 minutes (120 seconds). In case no robot reaches the opponent within this time, the judge may order a repetition of the round, or define the robot that came closest to reaching the opponent as the winner.

During the competition, the competitor may take his robot to the area assigned to competitors, and make minor repairs, reprogram or charge the batteries of his robot, taking care not to modify its composition or affect the homologation conditions. At the moment of being called to his confrontation, the competitor must present himself to the competition area in a maximum time of 1 minute (60 seconds) with his robot completely ready to compete.

At the end of all the matches, the judges will define a final order of merit, with the first four places defined at this stage, and the following placings according to the level of keys each robot has reached, and its performance in the preliminary stage.

Each confrontation will follow the following dynamics:

- At the start, the judge shall call the two competitors to the competition area according to the established order. No three or more competitors may be inside the competition area at the same time.
- **Each competitor will have a maximum of one minute to arrive at the competition area to be called.** In case a competitor does not arrive in the established time, he will lose his match by "walk over". In case both competitors do not show up on , the match will be declared without a winner, and the corresponding key will be declared void.
- After entering the competition area, the judge will do a quick check of both robots, and each competitor must place his robot on the track, behind the start indicator indicated by the judge, with his line sensors exactly behind the start indicator.
- The competitor must energize the robot, calibrate its sensors, place it at the assigned starting point, and wait for the start order from the judge. **The robot must not start its operation until it receives the judge's order, nor be placed on the track with the motors active.**
- In case the robot is equipped with a turbine, it can be turned on when the robot is energized, according to the competitor's choice.
- **IMPORTANT: The competitor will have a maximum time of 1 minute from the moment he enters the competition area until he places his robot ready to start his run, this time includes the calibration of sensors, and/or necessary minor repairs. If the competitor is not ready in this time, he/she will automatically lose the competition without the option to claim.**
- After robot is placed on the track, the judge will give the start order, after which each competitor must activate the movement of his robot, without pushing it, and move away from the track. The competitor may not touch or influence the robot's path until the judge allows it.
- In case the judge detects that any of the robots started their run before his order, he may restart the round giving a warning to the competitor. If the same incident occurs a second time, the judge may disqualify the offending competitor.
- In case a robot leaves the track, stays on the same spot, or stops, it can return to the track autonomously (without the pilot's intervention) if its rival has not yet caught up with it, without having skipped an important sector of the track.
- **If a robot leaves the track, its opponent must necessarily reach the same point where the incident occurred to be declared the winner.** If a robot stops or turns around at the same point, its opponent must necessarily catch up to be declared the winner. If the latter gets lost, stops, or keeps turning around before reaching this point, or does not arrive before the time limit, the confrontation is stopped, and a restart or a "match without a winner" may be declared at the judge's discretion.

- **The confrontation will end after one robot has caught up with the other, which will be decided only by the judge.** The competitor will be allowed to pick up his robot from the track only after the judge has ended the confrontation.
- After picking up his robot, the competitor must immediately leave the competition area in order to move on to the next match.
- The assignment of the winner by the judge must be recorded immediately after the end of each match, and is final. **It is not permitted for any competitor or outside person to seek to induce the judge's decision verbally, with another timekeeper, by showing videos, or by any other means.**

IX. Security Measures and Elements

Each competitor has the responsibility to avoid damaging his robot or that of any rival, and to keep the place where he performs his tests and the competition area clean and tidy.

Additionally, it is the competitor's responsibility to take care of his/her belongings at all times, as well as to wear safety equipment such as gloves or goggles, and to carry at all times his/her credential or identification at the event provided by the organizing committee. The organization is not responsible for any incident caused by a participant or for any material loss.

X. Violations of the Regulations

Participants who do not comply with the specifications and restrictions of the robot or project in each category, or perform one of the offenses described, are considered to be in violation of the regulations and will receive the corresponding sanction.

- **INSULTING AND DISCRIMINATORY WORDS (VERY SERIOUS)** A participant that utters insulting words to an opponent, member of another team, judge, organizer, or spectator, or places voice devices on a prototype that reproduce insulting words, or does so from a computer, or writes insulting words on the chassis of a prototype or anywhere in the event venue, or performs any insulting action, is in serious violation of these rules.
- **VIOLENT ACTS (VERY SERIOUS)** A participant who strikes or makes obscene, insulting or threatening signs to an opponent, member of another team, judge, organizer, or spectator, or programs a prototype to perform, or encourages the public or third parties to perform violent acts, is in violation of these rules in a very serious manner.
- **SERIOUS MISCONDUCT** Serious misconduct is considered when a participant does not comply with the indications of the judge and organizers for the correct development of the competition, such as staying in designated areas, punctuality in presentations, use of instruments and tools, among others.
- **MINOR FAULTS** Any insinuation about the fairness of the tournament, or uncalled-for comment about any aspect directed at another competitor, judge, organizer, or member of the public, or any other fault that a judge or organizer detects, will be considered a minor fault to the rules.

XI. Sanctions

Competitors who commit a minor foul will be given a warning call. In case of a repeated offense, it will become a serious offense.

Competitors who commit a serious fault will be withdrawn from the competition, being assigned defeat in all their presentations, without the option of claim, appeal, or refund of registration.

Competitors who make a very serious foul will be withdrawn from the competition and from the event venue, being assigned defeat in all their presentations, without the option of claim, appeal, or refund of registration. Furthermore, they will not be allowed to participate in future events organized by "Let's Go Robot" and Tech Hunter Entertainment.

XII. Judges and Scoring

The qualification will be carried out by the Let's Go Robot team, part of Tech Hunter Entertainment.

The evaluation and definition of winners is totally independent of the organizing committee of the InkaChallenge IV Edition Coneimera, so the participation of members of the organizing committee as competitors is allowed, without affecting the impartiality of the competition.

The decisions and criteria of the judges are totally unappealable. Only the representative of a team can communicate any observation about the development of the tournament to the judges before and after a competition, but not during it. The response to the observations presented will be final and will be taken into account for the rules of future events.

XIII. Awards and Recognition

The first places in each category will receive a monetary prize, according to the following table:

Category	Award
Amateur	S/.240
Senior	S/.300
Master	S/.350

The first places in each category could receive medals, diplomas, or surprise gifts, according to the management of the organizing committee, this being an additional symbolic prize.

Additionally, the first 8 places each category will receive the corresponding score for the Official Let's Go Robot 2025 Ranking.

IMPORTANT: Each category or level must have a minimum of 6 robots duly registered in order to be opened, otherwise, it will be held as an exhibition, and the amount of the prize will be the total amount collected by the entries of the same level and category.

XIV. Recommendations and Final Provisions

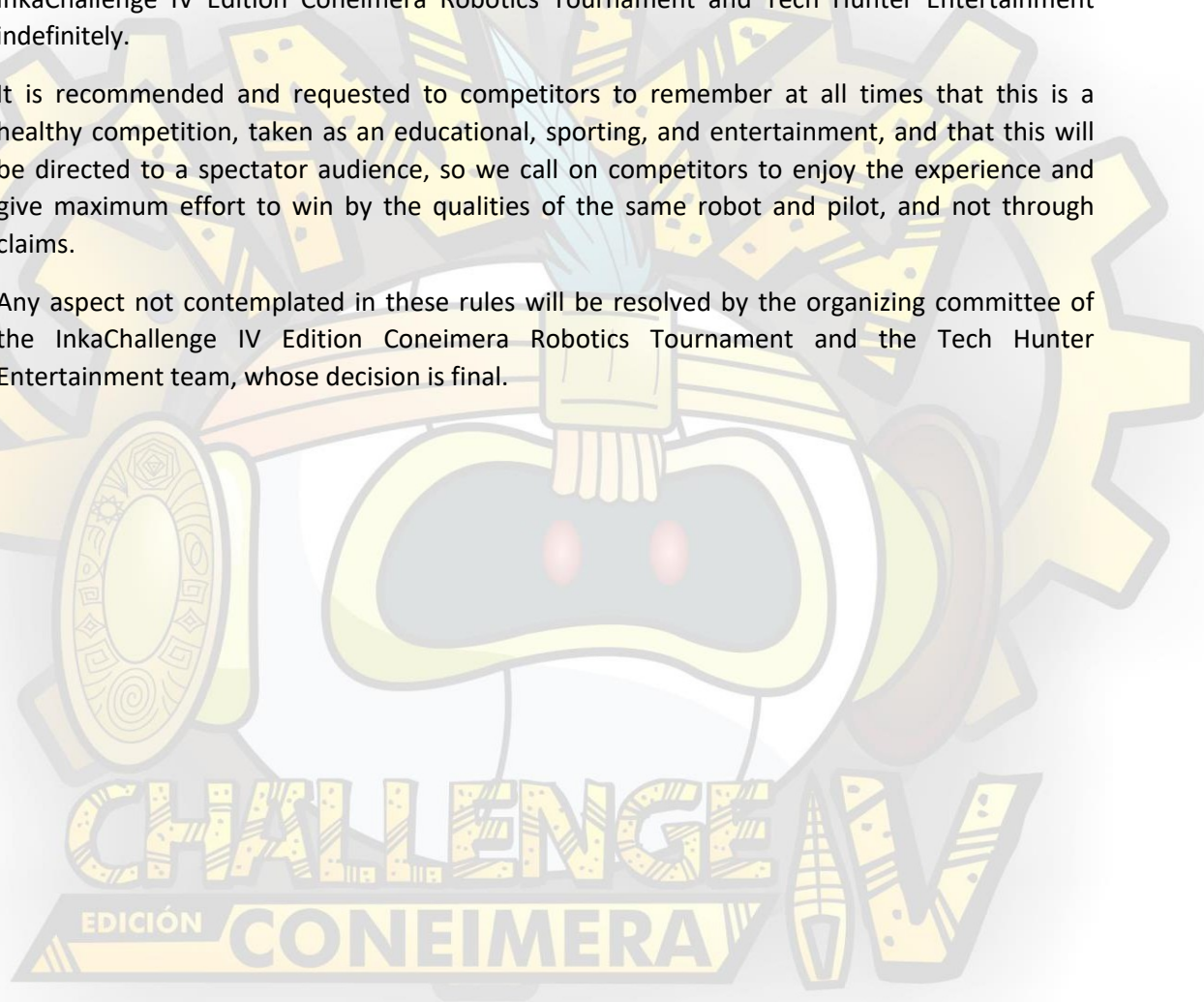
Each participant, upon registration, accepts and agrees to comply with each of the points described in this document, otherwise he/she will be disqualified without the right to a refund of the registration fee.

The authorship of the robots presented in this competition will be the full property of its pilot, before, during and after the event.

By registering for this competition, all competitors give their authorization for the use of their image and that of their robot in photographs and videos by the organizing committee of the InkaChallenge IV Edition Coneimera Robotics Tournament and Tech Hunter Entertainment indefinitely.

It is recommended and requested to competitors to remember at all times that this is a healthy competition, taken as an educational, sporting, and entertainment, and that this will be directed to a spectator audience, so we call on competitors to enjoy the experience and give maximum effort to win by the qualities of the same robot and pilot, and not through claims.

Any aspect not contemplated in these rules will be resolved by the organizing committee of the InkaChallenge IV Edition Coneimera Robotics Tournament and the Tech Hunter Entertainment team, whose decision is final.



ANNEX 1: APPROVAL PROCESS

- The homologation process consists of the evaluation of each robot and pilot before the competition, in order to ensure the correct compliance with the regulations.
- **For the homologation stage of each category, a schedule and a zone of the competition area will be assigned.** Under no circumstances will the homologation of prototypes be allowed outside the established time or place.
- **Each competition of the event will have its homologation stage on the same day it will be held,** concluding no later than 30 minutes before the start of all the competitions to be held on that day.
- Only in very specific cases, and at the discretion of the judge in charge of the homologation, additional time may be given to the homologation of a competitor, as long as he/she requests it at least one day in advance, stating the reasons for such request. This request may only be made for problems in travel schedules from other cities or countries, or for reasons of force majeure (such as, for , documented medical appointments). This request cannot be made due to class, laboratory or exam schedules, or personal reasons that cannot be justified with any document.
- **IMPORTANT: The homologation process must be carried out with the robot fully assembled and with all its components. Under no circumstances will it be accepted the homologation of incomplete robots, or robots whose composition differs from the photograph sent during the registration.**
- At each event, the competition or test tracks will be placed by zones. It is not guaranteed that all the tracks will be available all day long, however, they will always be placed with a reasonable time for testing. Within each competition zone, a table will be placed where the judge in charge of homologation will evaluate the robots of the categories assigned to the zone.
- **IMPORTANT: It is the competitor's responsibility to identify the homologation table corresponding to his/her category. Not all categories will be homologated on the same table or in the same area.**
- At the end of the homologation stage of a robot, a sticker with an assigned number will be placed on it, and a photograph will be taken. **Only robots that have been correctly homologated on time, and have their corresponding sticker, will be allowed to enter the testing area, and will be able to compete officially.**
- The homologation table will close at the assigned time, and only those robots that managed to homologate that time will be considered in competition. If the judge deems it appropriate, he may homologate robots that have arrived at the corresponding area at the closing time, but did not manage to homologate due to the presence of another competitor who arrived minutes earlier, however, **under no circumstances, will the homologation of competitors who arrived at the homologation area after the closing time be accepted.**
- In some events, if possible, an "early homologation" stage can be established, in which the robot can be homologated during the first day of the event, regardless of the day on which the competition takes place.

ANNEX 2: ENGINES AND WHEELS ALLOWED IN THE AMATEUR CATEGORY

At the Amateur level, only yellow or light blue commercial engines will be allowed, in any of their presentations and commercial reductions, without modification.

In case the judge detects that a competitor has modified the interior of a motor, he may disqualify the competitor, or request him to replace such motors with others that have not been modified.

At the Amateur level, commercial wheels (with their default rubber) compatible with yellow or light blue geared motors will be allowed.

A "commercial wheel" is defined as a wheel that can be purchased in electronics stores that are accessible to any competitor and have international distribution. Wheels that are sold by a single store, are sold regionally, or are custom manufactured are not considered commercial.

The following table shows some of the permitted wheels:



(Reference images)

Observation: Any other wheel presented in the Amateur category will be at the judge's discretion to be accepted in the category, otherwise they must be replaced immediately.

IMPORTANT: The total diameter of the wheel with the rubber included will be 6.5cm, with a tolerance of 0.5cm. In the event that the wheel or rubber is larger than this, it must be replaced immediately.