

General Terms & Conditions

Huawei Tech Arena 2024 Switzerland

ARTICLE 1 – ORGANIZATION OF THE COMPETITION

The company BeMyApp SAS, a French company with a capital of 1.250,00 euros, whose registered office is located 18 Boulevard Michelet, 13008 Marseille, France - company registration number B 523 824 258 (Marseille RCS) - is organizing on behalf of the company Huawei Technologies Switzerland AG (hereafter referred to as “Huawei”), a Swiss company, whose registered office is located at Hansaallee 205, 40549 Düsseldorf, Switzerland, Org No. 556595-6827 (hereafter referred to, collectively, as “Organizer”) an online competition called “Huawei Tech Arena 2024 Switzerland” (hereafter referred to as “Competition”) from October 14, 2024 to December 31, 2024. For the organization of this Competition, Huawei has partnered with BeMyApp SAS, a French company with a capital of 1.250,00 euros, whose registered office is located 18 Boulevard Michelet, 13008 Marseille, France - company registration number B 523 824258 (Marseille RCS), which will act as data processor.

ARTICLE 2 – OBJECTIVE OF THE COMPETITION

The webpage is built to indicate the content of the participant's challenge and give the participant a platform to register.

Provide the environment of challenge **1. The Compression of LLM Inference**, and upload interface of **2. Communication affined Direct Topology of NPUs**.

Website management, sourcing a minimum of 40-50 participants per challenge, A sufficient number of people as well as Master and PhD students with backgrounds related to: artificial intelligence, computing, computer science, electrical and electronic engineering, and applied mathematics participated. providing a competition environment, collecting participants' information as well as results, and post-competition feedback.

ARTICLE 3 – PARTICIPATION PROCESS

The Competition is free and without any purchase obligation. The Competition is open to all individuals (i) who have the age required by law in their country of residence to enter this competition, (ii) who hold a bank account in their country of tax residence, (iii) who have IT skills, technical skills and (iv) who have their own computer hardware in working order throughout the duration of the Competition and internet connection with subscription from

local telecom operator at their own and sole costs and expenses, and under their own and sole responsibility (hereafter referred to as “Participants”).

Employees of Huawei and BeMyApp SAS and/or their affiliates, and members of their families, as well as anyone who has directly or indirectly contributed to the conception, organization or realization of the Competition, are ineligible to take part in the Competition.

The registration for the Competition is open from 14th October, 2024 until 24th November, 2024, 11:59 pm (CET). The Competition will take place from 25th November, 2024 until 2nd December, 2024 11:59 pm (CET).

Each registration in the Competition is individual, and only one registration per person is allowed during the entire duration of the Competition.

This is an online Competition, from 25th November to 2nd December, the registered individual Participants can participate from anywhere, on December 16th we will invite the 8 winners to visit the Zurich Research Center and have the award ceremony.

Phase 1: Registration process

- Date: From 25th October, 2024 to 24th November, 2024
- Object: Every person wishing to participate can register online on the dedicated website. Registrants must provide the following information: last name, first name, date of birth, address, phone number, email and their profile for the purpose of the Competition, as suggested on the website. This information is required for the completion of their application.

Each candidate guarantees that the information entered during his/her application to the Competition is complete and accurate. Any false, incorrect or incomplete information will automatically result in the application being rejected.

The Organizer reserves the right to reject an application at any time if the profile of the Participant does not comply with the Competition standards.

Phase 2: Start & End of the Competition

- Date: On 18th November, 2024 for **The Compression of LLM Inference**, On 25th November, 2024 for **Communication affined Direct Topology of NPUs**.
- Object:
- The challenge is split into two topics,
 - “**The Compression of LLM Inference**” will be open for challenge on 18th November 2024, challengers will be tested on the dataset, there is no limit on how many times a competitor may submit a solution.
 - “**Communication affined Direct Topology of NPUs**” will be open for challenge on the 25th November 2024, challengers will upload their word documents up to 5 times, marking which upload will be used for the final result.

- Both Challenges will close on the 2nd December 2024 11:59 pm (CET). And Competition results will be announced on 9th December 2024 before 11:59 pm (CET).

Phase 3: CEREMONY

- Date: 16th December 2024
- Place: Zurich, Switzerland Venue TBD
- Object: There will be a ceremony for winners from 1st to 3rd places of both challenges to join together in Zurich and to be rewarded.

ARTICLE 4 – DETERMINATION OF WINNERS

The eight (8) winners will be determined by a jury of Huawei and other professionals. The jury will designate the winners on 9th December, 2024

“The Compression of LLM Inference”:

Upon receiving a solution (3 items listed above), the platform will check the accuracy of the provided model using a test set that we will provide. Different evaluation datasets are going to be provided. The cumulative size is in the order of GB.

The code to compress the model is not executed when evaluating the accuracy of a submitted model. Only the final top X solutions will be checked against the corresponding model compression code, to be sure that the prize-winner models have not used retraining or fine-tuning.

There will be a time limit to test the provided model. If running inference of the provided model on the test set exceeds a given amount of time, a score of 0 is returned with the explanation that inference runtime was too high.

There is no limit on how many times a competitor may submit a solution. However, at any point in time only one solution can be submitted by a competitor. Moreover, if there are more submitted solutions than the platform can run concurrently, solutions are queued, and the competitor with the lowest amount of submitted solution so far is going to be prioritized as soon as a computing slot becomes available. In this way we promote fairness and encourage competitors not to submit too many solutions.

“Communication affined Direct Topology of NPUs”:

Describe how a direct network topology can be constructed with switch nodes of Radix n (40 points), calculate the maximum scale the network can achieve (10 points)

Modelling the communication efficiency of the network topology for AllReduce and AlltoAll primitives (20 points); Devise the AllReduce/AlltoAll algorithm that achieves the ideal/optimal performance (20 points)

Described the modularity of the network topology (how it can be constructed into practice)

ARTICLE 5 – PRIZES AWARDED

The Competition is endowed with three (3) prizes, 4 winners for both of challenges;

Gold prize (1 tier): 6000 EUR and internship opportunity (1 winner)

Silver prize (2 tier): 4000 EUR and internship opportunity (1 winner)

Bronze prize (3 tier): 2000 EUR and internship opportunity (2 winners)

ARTICLE 6 – PRIZE ALLOCATION

Prizes will be sent by BeMyApp SAS to the winners within a maximum of three (3) months, to the bank information indicated by the winners.

If the bank information of a winner is unusable (illegible, incomplete, or erroneous), the latter will lose the profit of its prize.

In addition, the Organizer cannot be held liable because of inability to contact the winner.

No mail will be sent to Participants who did not win.

ARTICLE 7 – COMPENSATION

Participant waives all its claims regarding compensation against the Organizer due to its participation in the Competition (in particular with regards to cost incurred for participation such as the such as GPUs rental, transportation, accommodation, etc.).

ARTICLE 8 – MODIFICATION, INTERRUPTION AND TERMINATION OF THE COMPETITION

The Organizer reserves the right to shorten, extend, modify or terminate the Competition, or a part of the Competition, as a result of a force majeure event without incurring liability as a result thereof.

In such case, the Organizer will provide notice thereof to the Participants by any means of its choice (including email and/or publication on the Website), and, if the need arises, will communicate to the Participants the new rules applicable or the new ending date of the Competition, as the case may be. Each Participant may notify the Organizer by email that s/he refuses the new conditions of the Rules, in which case s/he will be excluded from

participating, which s/he expressly accepts. If no refusal is communicated to the Organizer within 72 hours, the new conditions of the Rules will be deemed to have been accepted by Participants.

In case of a modification to the Rules, cancellation or interruption of the Competition, or a reduction or an extension of its length, the Organizer waives all liability and Participants will not be entitled to any compensation.

ARTICLE 9 – FRAUD

The Organizer may cancel all or part of participation in the Competition if it appears that fraud has occurred in any form whatsoever, in particular computer fraud, during the Competition. The Organizer reserves, in this case, the right not to award prizes to fraudsters, to disqualify the concerned algorithm project and/or to bring actions against the authors of these frauds. The Organizer shall not incur any responsibility towards the Participants because of the committed frauds.

Furthermore, the Organizer cannot be liable in case of damage, whether material or immaterial, caused during the Competition and thereafter, to the Participants, to their computing equipment, or to the data, including consequences which may ensue from it on their personal, professional or commercial activity.

ARTICLE 10 – EXPLOITATION RIGHTS AND INTELLECTUAL PROPERTY

Exploitation and property rights to algorithms developed during the Competition by the Participants are reserved for Participants, subject to the rights granted hereunder.

The Participants will receive access to certain proprietary source code, software, APIs, or other copyrighted materials or both, including pictorial, audio, video or audio-visual content or both (“Organizer Materials”) owned by Organizer, and must comply with all license terms associated with such Organizer Materials, including but not limited to the license terms stipulated in the [Terms and Conditions - Access and Use of the Huawei Challenge Server](#).

If the Participants wish to assign their rights, they shall first offer to the Organizer the option to acquire the rights in their algorithms for any use including commercial use. The conditions of this assignment of rights shall be defined by way of a separate agreement between the Huawei company and the Participants which own the rights

During the Competition, the Participants shall only use elements that are clear of any rights. Any third-party elements included in the algorithm, including open-source software, must be clearly identified with their version, the terms of the applicable license, and any other details regarding their use. The Participant understands that this information is taken into account in the assessment for the allocation of a prize.

The algorithms shall not infringe any intellectual property right, trade secrets or images right. Each Participant warrants to the Organizer that their creation does not infringe in any way any third-party rights, and that s/he obtained, where necessary, the authorization of any third party.

By joining the Competition, Participants expressly authorize the Organizer, for free, to review, publish, communicate, exhibit, and disclose orally, graphically or in writing, projects and algorithm presented during the Competition. Each Participant agrees to be mediatized (portfolio, website, etc.) and authorizes the Organizer, for free, to present all the works realized on all the communication media used in support of this Competition as well as to mention names, first names, and images of the Participants.

Under this regulation, the Participant shall not acquire any full or partial right of any kind on the name and trademark "Huawei" nor on any names and/or brands associated with Huawei, used alone, in association with or as part of another word or name, or any rights on trademarks, names or logos of Huawei, or any of its associated or related companies.

ARTICLE 11 – IMAGE RIGHTS

The Participants may be filmed or photographed during the event, in accordance with the provisions of the Privacy Notice. The production and distribution of films and photographs of the event will not lead to any compensation of the Participants.

ARTICLE 12 - CONFIDENTIALITY

The Participant acknowledges the confidentiality of all information and documents which have been shared with him/her throughout the Competition.

During the whole duration of the Competition, the Participant will not directly or indirectly use or share any information with any third party, unless s/he has obtained a written authorization to do so, delivered by the Organizer beforehand. This applies to information shared with him/her by the Organizer or shared with him/her indirectly upon the execution of this contract.

The Participant commits to delivering any document containing confidential information or shared with the Participant upon the execution of this contract, on the Organizer's simple request. This confidentiality agreement is valid for 24 months from the start of the Second Phase mentioned in these terms and conditions.

ARTICLE 13 – PROTECTION OF PERSONAL DATA

Each participant is hereby notified that certain answers in the registration form are mandatory, and that the lack of answering to such mandatory fields will prevent them from participating. The collection and processing of personal data relating to the Participant by BeMyApp SAS is primarily intended to ensure that the competition will be properly completed and in particular to

allow the Organizer to contact the winners and to award them the prizes in an efficient way and, if the cases arises, to publish the list of the winners.

Personal Data you submit when you participate in the Hackathon will be treated in accordance with our Privacy Policy and applicable data protection laws.

ARTICLE 14 - RESPONSIBILITY

The organizer reminds Participants about the characteristics, limitations and risks of the Internet network and accepts no responsibility for any consequences that may occur while they are connected to the event websites and during their participation in the Competition.

Neither Huawei nor BeMyApp SAS shall be liable if Participants cannot connect to the website of the event due to a technical fault or in the event of any problem linked namely and not exclusively to (1) network overload ; (2) an electric or human error (3) any malicious intervention ; (4) an issue related to a phone line ; (5) an issue related to hardware or software ; (6) a hardware or software malfunction ; (7) a case of emergency ; (8) disruptions that may affect the smooth running of the Competition.

It is the Participant's responsibility to select and acquire necessary material (computer, internet access devices) and access to network services at its own costs, expenses and risks to participate in the Competition.

It is the Participant's responsibility to take appropriate measures to protect his/her own data and/or software located on his/her computer equipment, against any violation. The Participant's connection to the event websites and their participation in the Competition is made under their own sole responsibility. Organizer shall not be held responsible for any infection by potential viruses on the Participant's computer equipment, or of the intrusion of a third party on their system.

The organizer shall not be held responsible if, for any reason, data related to a Participant's registration doesn't reach the company or is illegible or impossible to process.

BeMyApp SAS and Huawei reserve the right to exclude any Participant or person disrupting the Competition's smooth running. They reserve the right to use any recourse, including suing anyone suspected of cheating, falsifying, or disrupting the process described in the General Terms and Conditions, or suspected of trying to accomplish such actions. Any Participant deemed by the Huawei or by BeMyApp SAS to have disrupted the Competition in any of the ways stated above, will be deprived of the right to obtain any prize, and no claim will be accepted consequently.

Participants remain solely and entirely responsible for the damages caused by them or their equipment to goods or people during the competition. They seek to cover their risks by their own insurance and renounce any right to resort to Huawei or BeMyApp SAS in that respect.

ARTICLE 15 – APPLICATION OF THE GENERAL TERMS AND CONDITIONS

Participation in the Competition implies full acceptance without reservation of the present regulation.

Participation in the Competition is strictly personal and the Participant cannot, under any circumstances, be replaced. Any claim relating to the Competition may be filed within the duration of the Competition and not later than within three (3) months from the deadline for participation stipulated in Article 1.

Any dispute arising in connection with the present Competition, and which could not be settled amicably, will be submitted to the competent courts of Switzerland.

The present Regulation is submitted to Switzerland law.