

Regulation

Huawei Tech Arena 2024

1. The Organizer

The Huawei Tech Arena 2024 is designed and organized by Huawei (hereafter "Organizer").

2. Means of Participation

The competition announcement will be published on the website <https://techarena-italy.it>

In order to participate in the Huawei Tech Arena 2024, it is necessary to register online following the instructions of the Platform.

Incomplete, irregular registrations or registrations made differently from the above or submitted after the deadline will not be accepted.

The Organizer reserves the right to verify the identity of the participant, as well as the authenticity and correctness of the data provided at the moment of registration. Failure to provide the documents that allow for the identification of the participant, or any non-conformity of the information entered or the reasonable suspicion that such information is false, incorrect, out of date or incomplete, will result in the exclusion of the participant from the competition in addition to any legal actions that the Organizer may decide to undertake.

The data provided by the participant will be included in the database of the Organizer and its supplier according to the rules related to the protection of personal data.

3. Duration

The outputs and related documentation can be presented until 27th October 2024

The Organizer reserves the right to change the closing date of the competition.

4. Participants

The Huawei Tech Arena 2024 competition is addressed to two categories:

JuniorPhD

- PhD students who have not yet completed their research path and are in their 1st or 2nd year of their PhD program.

Senior PhD

- PhD students who have not yet completed their research path and are in their 3rd of PhD program onwards, and PhD graduates within 3 years from their PhD graduation.

Rules:

- Participants must be at least 18 years of age.
- The participation of legal entities is excluded.
- It is possible to participate as individuals or as a team of up to 2 people.
- Each participant can join only one team.
- Each team must identify itself with a denomination.

5. Type of competition

The main objective of the 2024 Huawei Tech Arena is to boost the attraction of young talented PhDs.

Prizes will be announced for the best projects presented in the following thematic areas:

TOPIC 1: Antenna Technology for 5G advanced applications and Joint Communication and Sensing

- Modelling and Design of Electromagnetic Metasurfaces and Metamaterials
- Breakthrough in Antenna Design Theory and Optimization for Wideband and High Efficiency Solution
- High Integration technology and New Materials for Antenna/BFN Losses Reduction
- Design and Manufacturing of Non-conventional Array, Transmitarrays, Reflectarrays and Transmissive Metasurfaces
- Design and Solution for Reconfigurable/Tunable Electromagnetic Materials and their application to enhance Antenna performance
- New Antenna Technology and Architecture to enable Application for Joint Communication and Sensing 5G Scenarios

TOPIC 2: RF and Photonic technology for the Evolution of Wireless Base Station

- New Techniques and Solutions for Power Consumption Reduction in Base Station systems
- RF Technology to enhance to performance and reduce the cost of Base Station product
- System Design and Technology for Photonic Beamforming Network
- Photonic Integrated Technology Applied to Innovative Base Station Architectures
- Modelling and Design of Microwave Photonic Technology applied to < 100GHz Systems
- Highly integrated Photonic Components with High Performance for Wireless application

There are two different tracks for participating in the challenge:

A) Junior PhD: PhD students who have not yet completed their research path and are in their 1st or 2nd year of their PhD program.

B) Senior PhD: PhD students who have not yet completed their research path and are in their 3rd or 4th year of PhD program, and PhD graduates within 3 years from their PhD graduation.

To apply the participants must complete the following flow:

1st phase: Expression of interest

Expressions of interest should be sent through the application form via the following link <https://techarena-italy.it>, making sure to include the necessary data to be contacted and to elaborate on the main requirement for access to the project.

2nd phase: General Information

Participants must complete all sections of the template on the provided form and upload the relevant information.

Teams that register will need to provide the following information:

- Team name; Number of team members; Email Address; Phone number; Topic and specification about the reason what participating in the specific area;
- For each team member: Name and surname; CV.

3rd phase: Project Submission

Upload your presentation via the provided submission form using the previously registered e-mail address.

All projects must be submitted following the PPTX template provided and indicate if the project results from a team collaboration or individual work.

6. Rules of participation

To participate in Huawei Tech Arena 2024 each participant must entirely and unconditionally accept these Regulations, register as indicated, and read and accept the Privacy Policy.

Accepting these Regulations, each participant declares that he or she is aware of the civil and criminal responsibilities deriving from any false declarations provided at the time of registration and therefore declares that the personal information provided at the time of registration is true.

Each participant and each team also declare that any decision made by jury nominated by the Organizer regarding the event will be accepted unconditionally.

Every communication about the challenge and the student workshops will be sent by e-mail to the address indicated on the registration form.

It is possible to change the composition of the Team until the close of applications.

If the e-mail address is incorrect, or in any case it is not possible to deliver the e-mail, the participant will be automatically excluded.

If the information provided at the time of registration is incomplete or false, the candidate will be excluded from the competition.

By accepting these Regulations and participating in the challenge, each participant undertakes, for the duration of the event, to use the digital space with respect, strictly defined below Code of Conduct.

Each participant acknowledges and agrees that participation is free of charge and that it does not determine the right to receive any compensation, any title, and/or any reimbursement of expenses.

The Organizer and its partners will not be responsible in case of failure or incomplete receipt of the electronic registration and/or the Documentation for any reason. In this regard, participants are reminded that the Internet, servers, the Site and the Platform may be subject to technical difficulties, maintenance works or malfunction which may cause network slow-downs or make access and any other connection to the Platform, to the Site, to the online registration form and/or to the upload form impossible.

In addition, the Organizer does not take charge of any connection malfunctions of the individual participants that prevent the participation of the same or the team in all or part of the competition. Each participant is exclusively responsible for his/her own internet access and for the connection costs of the same. Each participant accepts this limit of functionality and takes on the test the good functionality of the connection method of the IT system and of the Internet resources that he/she intends to use from time to time to register, insert the Documentation and participate in the competition.

Each participant takes part in Huawei Tech Arena 2024 at their own risk and is responsible for their design, documentation, equipment and IT supply.

Therefore, each Participant undertakes, as of now, to release the Organizer from any and all liability related to the Huawei Tech Arena 2024 indemnify and hold harmless the Organizer and its partners from any request or claim, also for damages, which may be presented, for any reason, in relation to the Huawei Tech Arena 2024, the Documentation or in any case defined by his or her participation in the event.

7. Code of conduct

Huawei Tech Arena 2024 is intended as an ethical event; therefore, participants are required to respect this principle and to comply with the following Code of Conduct at each stage of the competition and to:

- respect the Regulations, the Brief, the calendar and the Path by accepting the decisions taken by the Organizer, the collaborating partners and / or the jury composed by Huawei R&D Experts;
- show respect towards the other participants, the staff and the other members and / or delegated subjects of the Organizer, by the collaborating partners and / or by the host structure;
- the following actions will be considered as infringements, based on the unquestionable judgment of the Organizer and the collaborating partners:
- use of language or expressions that are deemed offensive or defamatory or incite violence and / or discrimination, which invades privacy, which are illegal, or which contain advertising, political / ideological contents or religious statements;
- the publication, transmission or diffusion, in any way, of illegal, harmful, violent, threatening, abusive, harassing, defamatory images, materials and / or contents and / or which can be considered harmful to the dignity personal or that are offensive, vulgar,

obscene, detrimental to the privacy of others, racist, classist, blasphemous, contrary to good behavior or public order or otherwise reprehensible or which suggest an inappropriate use of the activities that take place according to the Huawei Tech Arena 2024;

- the presentation or the use, in any way, of documentation, contents and / or materials that are not original, that involve the violation of industrial and / or intellectual property rights - including those of use and use of third parties;
- the publication, transmission or diffusion, in any way, intentionally or unintentionally, of any material that contains viruses or other codes, files or programs created to intervene, to destroy or to limit the functioning of software, hardware or telecommunications systems of third parties, included the website/systems where Huawei Tech Arena 2024 is supported;
- the alteration of data entered by others;
- the carrying out of operations, intentional or not, which influence or compromise the regular functionality or which limit the use for other users of the Platform, the Site, the services, servers, networks connected, even indirectly, by the Platform, from the Site, from the hosting structure and / or from the Organizer and the collaborating partners;
- violation, intentional or otherwise, of any applicable law or regulation;
- cheating or attempting to cheat;
- any other conduct, fraudulent or unauthorized that may even negatively affect the other Participants or the competition or, in any case, compromise the successful outcome and / or image of the Competition, of the Organizer and of the collaborating partners and / or, in general, of Huawei and its partners.

Any violation of the Regulation and / or the Code of Conduct or conduct from which it may be alleged an unlawful and / or violating behavior of these Regulation as well as any irregularities committed before or during the competition will involve, as appropriate and on the basis of the unquestionable decision of the Organizer, failure to participate, expulsion or disqualification of the participant and / or withdrawal of the prize already awarded and the removal of any material and / or content possibly already sent or published.

8. Evaluation Criteria

The Junior PhD and Senior PhD tracks will be evaluated separately based on below criteria:

A. Timeliness, novelty and originality

Does the proposed activity address a relevant topic within its area of research? Does it focus on subjects that have not been thoroughly investigated by mainstream research trends? Is it aimed at filling a knowledge gap in the reference area? Is the research proposal based on the use of innovative techniques or tools?

B. Technical quality

Is the proposed analysis or study thoroughly explained? Is the overall research activity solid in terms of the key theoretical assumptions and the adopted or envisioned methodologies?

C. Potential research or industrial impact

What is the envisioned impact of the proposed activity on the currently available theoretical or industrial solutions? What are the key improvements that can be achieved by the successful implementation of the proposed idea?

D. Presentation and communication effectiveness

Are existing State of The Art solutions and background information clearly introduced? Is the activity flow well organized? Are the overall value and the main application scenarios unambiguously explained? Are all the figures and the submitted material effective in conveying and stressing the key messages?

Effectiveness in delivering a good presentation from a communication point of view represents an additional criteria in case of ex aequo.

The projects submitted will be evaluated by a jury nominated by the Organizer. The jury shall nominate three (3) winners, respectively in 1st, 2nd and 3rd place.

9. Prizes

The following prizes will be awarded to the winners of the Huawei Tech Arena 2024:

1st place, 5000€ cash;

2nd place, 3000€ cash;

3rd place, Huawei GT3 Watch or similar;

Method of disbursement of the Award

In case of Team participation, the above prize and any other prizes will be awarded to the individual Participants composing the Winning Team. The prize will be equally distributed among the members of the Team.

The prize in the form of money will be paid by Tree by means of bank transfer within 30 days from the nomination of the Winner(s); to this end, each Winner and/or the members of each winning Team undertakes to notify Tree, the details of the bank account(s) to which to make the credit, within 7 days of the award, as well as, within the same period, the personal details and tax identification number of the persons.

It is understood that, should the Prize consist of cash amounts paid by Tree to the Winner, it shall remain the Winner's responsibility to fulfill all tax and fiscal obligations that may be related to the receipt of such income such as, but not limited to, the payment of taxes and/or fees and/or levies. The Player, by accepting these Rules, agrees to indemnify and hold Tree and Partners harmless for any damages or prejudicial consequences it may incur as a result of fulfilling its tax obligations related to the Prize.

Pursuant to Article 6, paragraph 1, letter a) of Presidential Decree No. 430/2001, the "Huawei Tech Arena 2024" does not constitute a competition or a prize operation and is excluded

from the application of the relevant regulations, as it is aimed at the presentation of projects or studies in the commercial or industrial field, with the awarding of prizes that represent recognition of the personal merit of the winners, as well as encouragement in the interest of the community.

10. Warranties

By participating and accepting these Regulation, each participant:

- a. expressly declares and warrants that the output and the related documentation is made by the same person, is original and does not in any way, in whole or in part, infringe the intellectual or industrial property rights of third parties
- b. shall fully defend and hold Huawei harmless from any and all liability, claims for damages and / or compensation, expenses, including legal expenses and costs that may be advanced by any other participant or third party related to the title to or violation in any form of the proprietary rights by the output or its connected Documentation.

In case of violation of the provisions of this Article, the participant may be excluded from this competition.

Except in cases of willful misconduct or gross negligence attributable to the Organizer, the Organizer itself does not undertake any liability or responsibility for any use or abuse of the output, the documentation, of the idea or work of the participant or the development and / or realization of the same and / or of the project related to them by anyone who came to know about it. Likewise, the Organizer does not undertake any responsibility for potential adverse consequences that the pre-disclosure could in the abstract determine with reference to the inventive and / or original aspects of the elaborate and related documentation.

11. Data Protection

The processing of personal data collected during the Huawei Tech Arena 2024 will be carried out in accordance with current legislation on privacy, with full respect of the General Data Protection Regulation 679/2016 (GDPR) and Legislative Decree 196/2003 as modified by Legislative Decree 101/2018.

By participating and accepting these Regulations, each participant authorizes the Organizer and his partners involved in the Huawei Tech Arena 2024:

- to record their likeness and voice on video, audio, photographic, digital, electronic, or any other medium
- to use their image, the photos, audio/video registrations of his or her person, the environment, objects and personal data, documents recordings - even in a partial, modified or adapted way -, without any limitation, in any and all of their publications related to the Huawei Tech Arena 2024, including web-based publications, without payment or other consideration.

The authorization specified above implies the granting of a non-exclusive, transferable license to third parties, for the use of the above listed for cultural and educational purposes as well as for activities of disclosure and communication of the Organizer for advertising and promotional purposes, including streaming, publication on the Platform and on the Site and / or on any other websites and in the press, distribution and broadcast on public and private televisions and includes, by way of example and without limitation, copyright and other rights related to its exercise as well as the rights of publication, reproduction, multiplication in copies and storage of the same also in electronic form, translation, transcription, transfer to other formats, editing, adaptation, elaboration and reduction, communication and distribution to the public, projection, transmission and diffusion and all the above also in summary version and / or reduced, in any way or form, with any procedure and on any support, by any known technological means for the purposes and within the limits defined above.

Please refer to the Privacy Information Notice attached relating to the processing of the participant's personal data.

12. Intellectual property and industrial property rights

The rights of the Organizer

Participants acknowledge that the Platform, the Site and its contents are owned by Tree its content providers and are protected as such by the relevant rules of copyright, intellectual and / or industrial property and database rights according to the Civil Code and the Criminal Code.

Data provided by the Organizer

The Brief, all data and information of any nature, nothing excluded or excepted, made available to participants by any means (off and online) from the Organizer remain in the exclusive property and availability of the Organizer that provided them.

The authorization granted to participants to use the Briefs and/or other information provided by the Organizer is limited to the Huawei Tech Arena 2024. Any use of the data in question outside the purpose for which they have been disclosed among the participants is subject to a separate agreement concluded between the Organizer and each of the participants.

Intellectual property/Industrial property rights vested in the output and the in the documentation, rights of use

Huawei recognizes the ownership of the participants of the documents and documentation relating to them (including the ownership of any intellectual and / or industrial property rights on any element of which these are composed, including but not limited to the idea, the business model, the format, the concepts developed, the proposals and solutions presented and / or the results obtained, nothing excluded or excepted) produced by the participants.

Each participant therefore remains fully responsible for the protection of any innovative and / or original element, which may be discerned in its elaborate and / or in its documentation through the means provided for by the law and will have to bear the expenses in this regard.

Huawei shall have the right to use the documents and related documentation free of charge for six (6) months from the conclusion of the Huawei Tech Arena 2024 for the exclusive

purpose of analysis, testing, processing and / or demonstration of what has been done by participants.

The possibility remains for Huawei to develop independently or acquire equivalent products and / or in competition with the output and related documents and which do not violate any intellectual property right on them.

13. Confidentiality

Participants in the Huawei Tech Arena 2024 agree to maintain total confidentiality with respect to the Confidential Information they will receive from the moment they register for the competition.

"Confidential information" means all information acquired by the participant, in particular but not limited to information on services, data, information collected, communication materials, programming languages, software, know-how, design disclosed in any form. Participants in the competition also agree not to disclose Confidential Information to third parties without the prior written consent from the discloser of the Confidential Information; participants accept to strictly comply with the current legislation on privacy and the protection of personal data with regard to the acquired Confidential Information, and accept not to advance any rights, claims or licensing or other rights to use any present and future patents, trademarks, models or other intellectual or industrial property rights with respect to Confidential Information.

14. Miscellaneous

These rules are governed by Italian law. Except in cases where jurisdiction is necessarily established by law, for all disputes arising from the interpretation or execution of these Regulations, the court of Milan will have exclusive jurisdiction, with the express waiver of the participants to any exception with respect to this forum.

If any of the provisions contained in these Regulations were declared invalid or not applicable, this provision will not be considered, and all other provisions will remain fully valid and effective.