

## XILINX ADAPTIVE COMPUTING CONTEST OFFICIAL RULES

### **PURCHASE OF ONE OF THE FOLLOWING FROM XILINX OR A XILINX AUTHORIZED DISTRIBUTOR IS NECESSARY TO ENTER OR WIN THIS CONTEST\*:**

**Any hardware platform built around Xilinx's 28nm/20nm/16nm devices (including Xilinx acceleration cards).**

**How to enter:** The Xilinx Adaptive Computing Contest (the "Contest") is open for project entries from Tuesday, July 7, 2020 from 12:01 am (Pacific Time) to Friday, January 15, 2021 at 11:59 PM (Pacific Time) ("Entry Period"); provided however, that all eligible contestants must first register for the Contest no later than Friday, August 14, 2020 at 11:59 PM (Pacific Time) ("Registration Period"). Xilinx will evaluate each submission meeting the minimum requirements described in Section 2 below submitted by an eligible contestant during the Entry Period. No later than February 15, 2021 at 11:59 PM (Pacific Time), Xilinx will evaluate all project entries submitted by eligible contestants during the Entry Period based on the judging criteria described in Section 3 below and announce the contestants winning first, second or third place. By participating in this Contest, contestants elect to receive information from Xilinx pertaining to this Contest and Xilinx products and services by email, social media, mail, and by telephone. Proof of sending of entry will not be deemed to be proof of receipt by Xilinx.

#### **1. Contest Description:**

In this Xilinx design challenge, technology startups, early stage technology companies, and research institutions meeting all eligibility requirements will use any hardware platform built around Xilinx's 28nm/20nm/16nm devices (including Xilinx acceleration cards) to create an exciting new application designed to show hardware acceleration with programmable logic. With your creativity and expertise combined with the power of Xilinx platforms; the [Vitis development environment](#); and [Vitis AI](#), Xilinx is asking you to solve real world problems in new and innovative ways. If you're up to the challenge, submit a project meeting the minimum requirements described in Section 2 below, showing how you created your project, including a detailed description of the hardware, software, and tools used. Include images, screenshots, and a 3-5 minute video demonstration of your work and a 30 minute presentation for the Xilinx judges. Contestants must address the following questions:

- What problem are you going to solve?
- What are you going to build to solve this problem? How is it different from existing solutions? Why is it useful?
- How does your solution work? What are the main features? Please specify how you will use Xilinx devices or card in your solution.
- List the hardware and software you will use to build this application.
- Explain how you will use Xilinx tools ([Vitis](#), [Vitis AI](#), [Vivado](#)) in your project. Describe any past projects you have worked on that make use of Xilinx.
- Does your solution demonstrate a major value proposition of using programmable logic-based hardware acceleration against CPUs / GPUs / ASICs?
- What is the target performance you want to achieve with Xilinx platforms?
- Does your solution demonstrate a performance increase and total cost of ownership (TCO) advantage of using programmable logic-based hardware acceleration against CPU / GPU / ASIC?

#### **2. Minimum Submission Requirements:**

##### General Requirements

- Organization (as defined in Section 4 below) must be registered as an eligible participant in this Contest. Eligibility rules are described below in Section 4. This contest is not open to individuals.

- Every individual working on Organization's behalf on a project submitted to the Contest must create a personal user account on [www.Xilinx.com](http://www.Xilinx.com).
- Organization's entry must be its own original work. See Section 4 below for further information.
- By submitting a project to this Contest on behalf of Organization, the individual must acknowledge that they are the designated representative authorized to act on behalf of the Organization. See Section 4 below for further details.
- Organization must have been first officially established or legally registered within the last 8 years, and Organization must be less than 300 employees. The foregoing requirement does not apply to research institutions.
- No more than one team from each Organization may participate in this Contest. There is no limit on the number of employees/personnel on each team.
- Organization must make their submitted solution commercially available.

#### Technical Requirements

- Organization must submit a project which includes the following materials:
  - Basic information, including the solution overview, target markets and applications, business / social impact.
  - List of hardware and software components.
  - List of features supported.
  - Full story of how your application project works, including screenshots and images.
  - TCO analysis from performance, power and cost perspective, including the comparison of the same workload with CPU / GPU / ASIC.
  - A discussion of how to test and validate your solution
  - Include prebuilt images, test scripts and instructions to Xilinx for validation.
  - You must submit a 3 – 5 minutes demo video to introduce your work.
  - You must submit a 30 minutes presentation reviewing your work in detail.
  - You must notify [contest2020@xilinx.com](mailto:contest2020@xilinx.com) of your submission.
  - Your project must be written in English.
  - Your project must be submitted within the Entry Period.

### 3. **Winner Selection and Judging Criteria:**

Each entry will be judged by a committee of 7 distinguished Xilinx employees across the following Xilinx functional organizations: Engineering, Technical Marketing, Worldwide Technical Support, and Product Marketing. Each member of the committee will judge each entry and assign a numerical score based on the criteria below, which may be to the tenth or even hundredth decimal place. The average score will be calculated among all committee members, and all entries will be ranked by average score. In the event of a tie between any eligible entries, an additional judge will break the tie based on the judging criteria described below. The decisions of the judges are final and binding. The criteria is as follows:

#### Business/Social Impact (30 points)

What problem do you want to solve and what are the business/social impacts associated with it?

### Project Deliverables (30 points)

Show how you created your project, the hardware, software and tools used, including images, screenshots, and a video demonstration of your work and how to verify and validate your solution.

### Quality (20 points)

The solution will be measured from multiple perspective including accuracy, performance, stability and ease of use perspective.

### Innovation (20 points)

Does your solution demonstrate innovative thinking, does it bring new solutions to an existing problem, or apply existing solutions to a novel problem?

You grant Xilinx an irrevocable, royalty-free, worldwide right and license to use, review, assess, test and otherwise analyze your entry and all its content in connection with this Contest. If Xilinx does not receive a sufficient number of entries meeting the entry requirements, Xilinx may select fewer winners than the number of Contest prizes described in Section 5 below.

4. **Eligibility:** To be eligible to compete in the Contest, each individual employee/personnel of Organization must represent and certify to Xilinx, Inc. ("Xilinx"), on their own behalf and on behalf of their Organization, that they are not a resident of any Xilinx Restricted Country (see below) nor is their Organization registered or operating in any Xilinx Restricted Country, that neither they nor their Organization are on any sanctioned or restricted list published by any governmental agency or the United Nations, that they are 18 years or older as of the date of entry into the Xilinx Adaptive Computing Competition (the "Contest"), that they are not an employee, contractor, vendor, distributor, representative, or family member (defined as an immediate family member and/or persons living in the same household as the winner) of an employee or affiliated party of Xilinx, including but not limited to Xilinx's subsidiaries, distributors, or sales representatives, its advertising or promotion agencies, parent companies, agents, officers, subsidiaries, service providers or affiliates, or any other person or entity directly associated with the Contest) (the "Contest Entities"), that Organization has designated them as an official representative of Organization with the power and authority to act on behalf of their Organization, that their and Organization's entire entry only includes material (including hardware, source code – both open source and third party sourced, user interface, video or images) that they and/or their Organization owns or has permission to use such material from the owner of the intellectual property rights associated with such material, that their and Organization's entry does not include copyrighted materials (such as source code, user interface, video or images) unless they or Organization own or have permission to use the materials, that the work they and Organization will and do submit to the Contest does not infringe or misappropriate the intellectual property rights of any other person or entity, that they hereby grant to Xilinx, on their own behalf and on behalf of their Organization, an irrevocable, royalty-free, worldwide right and license to use, review, assess, test and otherwise analyze, in connection with this Contest, any work product, invention, software, code, design files, or other intellectual property associated with the work that they and Organization will and do submit to the Contest. Employees of Xilinx, Inc., Xilinx subsidiaries, Xilinx distributors, and Xilinx sales representatives, as well as those involved in the development, production, implementation and distribution of this Contest, and their advertising or promotion agencies, parent companies, agents, officers, subsidiaries, service providers and affiliates, and any other persons or entities directly associated with this Contest ("Contest Entities") and members of the immediate families and/or persons living in the same household as such persons are ineligible to enter the Contest or win the prize. If they are employed by a company that is not a Contest Entity but that buys from, sells to, competes with, or otherwise, does business with Xilinx or is in similar industry as Xilinx, they have the sole responsibility to review and understand their employer's policies regarding employee eligibility to participate in this Contest. If they are participating in violation of their employer's policies, they may be disqualified from this Contest and from receiving the prize. Xilinx disclaims any and all liability or responsibility for disputes arising between an employee and their employer related to this matter.

Other eligibility requirements:

- Every individual working on Organization's behalf on a project submitted to the Contest must create a personal user account on [www.Xilinx.com](http://www.Xilinx.com).
- Organization must have been first officially established or legally registered within the last 8 years, and Organization must be less than 300 employees. The foregoing requirement does not apply to research institutions.
- No more than one team from each Organization may participate in this Contest. There is no limit on the number of employees/personnel on each team.
- Organization must make their submitted solution commercially available promptly upon the conclusion of the Contest.

By submitting an entry to this Contest, you understand and acknowledge on your own behalf and on behalf of your Organization (i) that Xilinx may have developed or commissioned materials similar or identical to your submission and you and your Organization waive any claims you may have resulting from any similarities of Xilinx products and technologies to your entry, (ii) that after the submission deadline has passed, any project that has been submitted to the Contest will remain in Xilinx's possession after the Contest has concluded, (iii) that Xilinx at its sole discretion has the right to remove any information or code submitted in the entry to address compliance with any applicable laws, address any of the restrictions described herein, or for editorial or other purposes deemed necessary, and you agree on your own behalf and on behalf of your Organization to sign any documentation necessary for Xilinx or its agents to make use of the foregoing rights.

#### 5. Prizes:

Prizes\*: The cash prizes described in the table below will be awarded to the winning Organizations via a method of Xilinx's election in its sole discretion. Organizations shall have sole discretion how to use or distribute the cash prizes.

First Place Organization: \$100,000
Second Place Organization: \$50,000
Third Place Organization: \$30,000

\*The amounts shown in the table are per Organization, not individual

Whether or not your Organization wins a prize, you understand that neither you nor Organization will receive any compensation or credit for use of your entry, other than what is described in these Contest Rules.

6. **Winner Notification:** The winning Organizations will be notified by phone and email using the phone number and email address submitted with the entry. If the winning Organizations cannot be contacted after a reasonable effort has been exerted during five (5) business days from the date of the winner selection, if the winning Organizations are contacted and refuse the prize, are found to be ineligible, or if the winning Organizations cannot or do not comply with these Rules, such winning Organizations will be disqualified and alternate winning Organizations may be selected. If there is a dispute as to who are the winning Organizations, Xilinx will consider the winning Organizations to be the authorized account holders of the e-mail addresses used to enter the Contest. If you are a winning Organization, Xilinx will require you to sign, on behalf of yourself and Organization, an Affidavit of Eligibility and Release of Liability and the winning Organization may need to sign a W-9 tax form or W-8 BEN tax form, within 10 days of notification. If the winning Organization completes a tax form, winning Organization will be issued an IRS Form 1099 the following January for the actual value of the prize. You and the Organization are advised to seek independent counsel regarding the tax implications of accepting a prize. If you and the Organization do not complete the required forms as instructed and/or return the required forms within the time period listed on the winner notification message, Xilinx may disqualify you and the Organization and select a runner-up.

7. **Xilinx Software and Other Licensed Items; Copyright:** The development and testing of a competitive Contest submission may require the use of various Xilinx software products including design tools, design files or reference designs that Xilinx makes generally available at [www.Xilinx.com](http://www.Xilinx.com) or [www.github.com/Xilinx](http://www.github.com/Xilinx) ("Licensed Items"). Licensed Items are distributed under separate license agreement(s) which you must sign, execute or otherwise accept on your own behalf and on behalf of your Organization prior to obtaining and using Licensed Items. You and the Organization are solely responsible for independently obtaining, at your Organization's sole expense, any such Licensed Items that may be required for you and the Organization to submit a competitive entry. Your and your Organization's entire entry must only include material (including hardware, source code – both open source and third party sourced, user interface, music, video or images) that you own or that you have permission from the copyright/trademark owner to use. Your and your Organization's entry may not include copyrighted materials (such as source code, user interface, background music, images or video) unless you own or have permission to use the materials. Your and your Organization's entry may be disqualified if copyrighted materials, including but not limited to these examples, are a part of your entry without appropriate licensing or permissions. If you do use permissible copyrighted materials, you must include the permissions information by citing the artist/creator and license information. Note that even material released under sites such as Creative Commons, common open source code licenses, and other similar licensing may need permission or acknowledgement as per the specific license.

8. **General Conditions:** This Contest is subject to all applicable international, federal, state, and local laws and regulations. Return of prize or prize notification as undeliverable will result in disqualification of the winner and an alternate winner may be selected. Unless prohibited by law, acceptance of prize constitutes (i) permission for the Xilinx and its agents to use your and your Organization's name, address (city and state), statements, biographical information, voice, photo and/or likeness for advertising and trade purposes without further compensation, worldwide and in perpetuity, in any and all forms of media, now known and hereafter devised, including without limitation online; (ii) a release by you and your Organization of the Xilinx and Contest Entities of any and all claims arising out of or in connection with the administration of this Contest, the use, misuse, and/or possession of his/her entry, and/or acceptance, possession and/or use or misuse of the prize. General correspondence and inquiries regarding this Contest may not be acknowledged or answered; provided however, that you may submit technical questions and issues to Xilinx's online support portal, although you acknowledge and agree that Xilinx has no obligation to respond to your question. Otherwise, Xilinx may not acknowledge entries or correspond with you. Any person or organization attempting to defraud Xilinx or in any way tamper with this Contest will be ineligible for the prize and will be prosecuted to the full extent of the law. Xilinx is not responsible for lost, late, illegible, misdirected, mutilated, incomplete, or defective entries, malfunctions of electronic equipment, computer hardware, or software, including any technology failure, or human error. Xilinx has the right to cancel, terminate, or modify this Contest if it cannot be completed as planned due to computer virus, bugs, tampering, unauthorized intervention, technical failures, or other conditions beyond Xilinx's control, and to select winners from eligible entries received during the Entry Period. Xilinx is not responsible for any failure to contact you, whether due to technical or human error. Xilinx reserves the right to modify, suspend, or terminate the sweepstakes in the event that it becomes infected by a computer virus or is otherwise technically impaired. Void where prohibited by law.

This Contest is subject to these Official Rules. By entering the Contest, you agree to waive any right to and release Xilinx and Contest Entities from any claim of ambiguity or error in the Official Rules or the Contest itself, and agree to be bound by these Official Rules and by all decisions of the Xilinx, which are final and binding in all respects. By entering the Contest, you affirm on your own behalf and on behalf of your Organization that you and your Organization have read, accepted, and agree to these Official Rules.

9. **Disclaimers:** You agree that Xilinx and Contest Entities shall not be liable for losses or injuries of any kind resulting from acceptance, possession, use, or misuse of prize, participation in this Contest, or any technical malfunctions of the telephone network, computer online system, computer dating mechanism, software, or any combination thereof, or any illegible, damaged, lost, late (including delayed transmissions), mutilated, forged, destroyed, tampered with, misdirected, incomplete, mass machine printed, mechanically duplicated entries or entries otherwise not in compliance with these Official Rules, and such entries will be disqualified. The formation, interpretation, and performance of this agreement shall be governed by the laws of the State of California applicable to agreements made and to be performed by California residents entirely within the State of California without regard to its conflicts of law provisions, with venue in Santa Clara, California. In conducting this Contest, Xilinx may collect personal information from individuals registered in the Contest. Except as otherwise provided herein, the

information collected is subject to the privacy policy located at: <https://www.xilinx.com/about/privacy-policy.html>.

10. **Winner List: Winner List requests will only be accepted after the winners have been announced, and no later than 180 days after the Contest ends. For the winner list, send a written request [contest2020@xilinx.com](mailto:contest2020@xilinx.com).**

A copy of these Official Rules may be obtained upon request to [contest2020@xilinx.com](mailto:contest2020@xilinx.com).

Xilinx Restricted Countries:

Afghanistan  
Armenia  
Azerbaijan  
Bahrain  
Belarus  
Cuba  
Egypt  
Georgia  
Iraq  
Iran  
Jordan  
Kyrgyzstan  
Cambodia  
North Korea  
Kuwait  
Kazakhstan  
Laos  
Lebanon  
Libya  
Moldova  
Myanmar  
Mongolia  
Macao  
Oman  
Pakistan  
Qatar  
Saudi Arabia  
Sudan  
Syria  
Tajikistan  
Turkmenistan  
Ukraine  
United Arab Emirates  
Uzbekistan  
Yemen