



General Guidelines for the RepRap Grand Personal Manufacturing Prize at Humanity+

Bryan Bishop
bryan@humanityplus.org

January/February 2011

<http://gadaprizo.org/>

Overview

This document lists out some general guidelines for managing the Grand RepRap Prize (“the Grand Prize”) at Humanity+ and what the various organizational responsibilities are, the plan of action, and maintenance details. *This document also includes updates to the timeline for the Interim Prize.*

Setup

Having initiated the Interim Personal Manufacturing Prize in November 2010, Humanity+ can move forward and provide a vehicle for the Grand Prize. In particular, the plan is to affiliate with Kartik Gada and his fundraising strategy, provide a depository for tax-deductible donations, and engage in cross-promotion or cross-fundraising activities. In addition, Humanity+ will assemble the panel of judges, dispense prize money, assist in accepting web-based donations, and carry out the other roles defined in this document.

Management of Funds

Specific banking details may be decided by the Treasurer prior to enabling over-the-web donations. Because the Grand Prize concept was first announced at the Foresight Institute, and because public announcements have already made it widely known, the public value of the Grand Prize shall be \$80,000. Note that in the case of the Interim Prize, fundraising had already taken place so \$17,500 was transferred from Foresight Institute (plus \$2,500 from RepRap Research Foundation via Adrian Bowyer) making the total interim prize fund at \$20,000. For this prize, \$80,000 in additional funding will be sought.

In the event that \$80,000 has not been raised for the Grand Prize by the award date, Humanity+ will award the amount raised towards the Grand Prize to the winners as determined by the panel of judges.

A running meter of funds raised will be kept on the gadaprize.org site so that participants are not surprised in the event of total funds not being raised. The meter should be dynamically (not manually) updated in real-time as donations come in. Donation streams, ideally, will come from private donors as well as Facebook Causes (which takes 5%) as well as a number of other platforms that don't need to be specified upfront.

Humanity+ will not take any percentage of the funds raised towards the \$80,000 balance for this prize for any reason, including “administrative overhead”. The selling point is that 100% of the money that goes to Humanity+ goes to the prize fund.

Judging

Judging will begin 90 days before an award must be made for the Prize.

Based on the feedback from the panelists, Humanity+ will make a decision as to the authenticity of the entry, whether it has been conducted in the spirit of the Prize, and whether or not criteria has been sufficiently met (based on the expert review). There shall be a very public announcement of any winners, including a public listing of all entries, where to find the files to download for the entries on the web, authors, as well as other relevant metadata.

There will be no physical on-the-ground judging of prize entries. However, judges will use whatever materials they find necessary from the full contents of each submission, such as videos, photographs, schematics, source code, documentation, etc.

The judging panel pool is a list of individuals who are qualified to do the judging and have offered their services foregoing the opportunity to win the Prize. Humanity+ will make any judge changes public through the web or other means. Originally the Prize identified and collaborated with a potential set of judges and at this time they are:

Adrian Bowyer <a.bowyer@bath.ac.uk>
Vik Oliver <vik@diamondage.co.nz>
Forrest Higgs <forrest.higgs@gmail.com>
Sebastien Bailard <penguin@supermeta.com>

Judging will begin 90 days (2015-10-02) before the listed award date of the prize (2015-12-31).

Timeline

2012-10-02 - Interim Prize entry submission deadline & judging begins

2012-12-31 - Interim Prize award date

2013-01-30 - deadline for post-prize work (publication of all remaining unpublished entries, etc.)

2015-10-02 - Grand Prize entry submission deadline & judging begins

2015-12-31 - Grand Prize award date

2016-01-30 - deadline for post-prize work (publication of all remaining unpublished entries, etc.)

Prize Criteria / Terms & Conditions

The nature of the competition:

- The winner will be selected based first on meeting specification and requirements, and secondly on how much beyond the specifications the entry goes (particularly in the case where Gada Prize receives multiple potential winning entries). For instance, if two projects are submitted, where both meet all of the criteria for a winning prize entry, the one that excels the most beyond the definition of the criteria will be the most likely to win the prize. Of course, in the case that two qualifying entries both exceed expectations, judges will determine which one exceeds expectations the best. In the case of no entries exceeding criteria, the judges will make a recommendation as to whether or not either the entire prize should be awarded, or a portion thereof specifically to some team or

entry or component project, or a recommendation to Humanity+ to extend the effective dates of the competition. Judges will be the ones to determine which entry is best.

- Gada Prize is meant to encourage and accelerate innovation in the RepRap and open-source 3D printer community by introducing a cash prize for specific developments. With this in mind, we understand that money can introduce peculiar dynamics to what is mostly a volunteer-based project and community. It is in the best interest not to disrupt any of the normal and default behaviors throughout the duration of this competition. All project entries must be open source hardware projects. Derivatives of RepRap must be GPL based on the RepRap licensing requirements, including many of the components that make up the RepRap project. For this reason, in order to be compliant with the RepRap license, all RepRap-derived entries must be GPLed (or compliant in whatever open source license the subcomponent you're working off of). When in doubt about licensing, Humanity+ and RepRap Research Foundation are excellent resources for getting questions answered, as well as the Open Source Hardware Definition drafts.
- To preserve the open source dynamic of RepRap specifically for technology relating to the Grand Prize, participants who publish their entries prior to submission will not be penalized (and in fact, will be encouraged). In addition to these pre-published entries, participants may attach an additional clause to the licensing, specifically stating whether or not the participant/team wants to allow others to make or use derivatives to submit to the Gada Prize. For instance, if a participant is worried that someone will take her developments and improve them, thus "stealing the thunder" and possibly doing well enough to potentially win the competition, the participant may add a "no derivatives for the Gada Prize" clause, which judges have agreed to respect. This way, developments that occur for the Gada Prize will be immediately available to the rest of the RepRap community. Similarly, participants who want to let others make improvements or derivatives for entries into the competition can add a clause stating any derivatives that win in the competition have some portion of winnings brought to the "original" author. The details of this sort of agreement should be simplistic and worked out amongst yourself, but in general you can also bring questions between a licensor and licensee to Humanity+ for clarification.
- Judges make no distinction between entries submitted by individuals or by teams. Forming teams is perfectly acceptable.
- It is expected that participating teams will borrow each others' better innovations during the development process. The judging committee reserves the right to apportion the Grand Prize amongst teams should such borrowed technology comprise a major portion of the winning entry.

Participation requirements:

- At the end of the Interim Prize competition, all Interim Prize submissions not previously published will at that time (2012-12-31 and shortly thereafter through January 2013) be put online with the appropriate license.
- Participating teams are expected to regularly publish and make available their technology on an ongoing basis. All technology developed by participating teams must be open source under a GPL or BSD license, and publicly released upon submission.

We encourage you to publish your repositories, source code, schematics and even development blogging long before you make a formal submission. The Gada Prize has gone to particular troubles to make sure that you are not penalized for making open source contributions in public especially prior to 2015 or the final submission deadline. Questions about this can be directed to Humanity+.

- All entries must be submitted by the submission deadline (2015-10-02) to prize@gadaprize.org. An entry can be either solely the development repository (with plain text or HTML documents to explain what's going on) or a compressed archive (.zip, .tar.gz, .tar.bz2) of the development repository plus other materials, like videos demonstrating performance. The development repository must have all relevant schematics, source code, files, etc., and reasonable installation instructions for others to compile code or render images or otherwise make use of the resources. It has to work. There is no requirement for the software provided with the entry to be 100% cross-platform compatible and 100% bug free, but in general code has to compile, and ultimately the judges will rely on the principle of reasonable doubt. As soon as you make a submission, any submission repository that has not been publicly released will at that time be released and hosted somewhere.
- Participants may submit as many entries before the deadline as they want, but they must clearly identify whether or not the submission replaces a previous submission (i.e., maybe it's a new version), or if it's an entirely new submission. Judges reserve the right to ask questions about any submission prior to and (even more likely) after the submission deadline.
- Note that the RepRap Project itself is licensed using the GPL, so any entry derived from that is constrained also to use the GPL. Any entry not derived from the RepRap Project can use either the GPL or BSD license. Communication with Humanity+ and the RepRap Research Foundation about technology licensing is encouraged. For instance, using a license that meets all of the requirements of the Open Source Hardware Definition draft is very likely to be acceptable. Check with us to confirm.
- Submissions made in part or whole to the Interim Prize are not disqualified from entry to the Grand Prize competition.

Contacts & Personnel

Bryan Bishop <bryan@humanityplus.org>

Kartik Gada <kartik_gada@yahoo.com>

Adrian Bowyer <a.bowyer@bath.ac.uk>

Forrest Higgs <forrest.higgs@gmail.com>

Vik Oliver <vik@diamondage.co.nz>

Sebastien Bailard <penguin@supermeta.com>