

Undergraduate Innovation Research Award

Do you have a "crazy idea" and wonder how you can one day realize your crazy idea? Here is your chance! You can submit a proposal to win the Undergraduate Innovation Research Award. Since this is the first time this award is offered, you don't even need to implement a prototype. That is right, just a proposal will do. You may win up to \$5000 dollars! Here are the details.

Title of Award

ShiKuo Chang Undergraduate Innovation Research Award

Who May Participate

Undergraduate Students from the School of Computing and Information (SCI), Computer Science (CS) or Computer Engineering (CE) of the University of Pittsburgh (see next)

How Many Participants

Each group may have one or at most two participants and both must be current students from the University of Pittsburgh. At least one student must be an undergraduate student from School of Computing and Information, Computer Science or Computer Engineering.

What to Submit

A proposal describing your crazy idea. Here are some examples: an app for your smart phone to detect the presence of an animal that may cause allergy, a smart object to sense the mode of your significant other, a raincoat that can turn into an umbrella, and so on. These are just examples. You may have a crazy theory about something. Such a proposal is also welcome.

Size and Format of Proposal

The Proposal must be prepared using WORD and saved in .doc format. The proposal must be at least five pages long but must not exceed ten pages. Please choose a twelve point font and a spacing of one-and-a-half line. Please include as many figures, graphics and charts as you like to make the proposal highly readable. The proposal must contain the following parts or sections:

1. Title of the proposal and information on the participants
2. A single paragraph of an executive summary
3. A concise description of the proposed crazy idea
4. A scenario to demonstrate how the crazy idea works. The scenario may consist of story boards, (fake) screen dumps, graphics, charts and so on.
5. An explanation of how the prototype will be constructed. This explanation can be based upon a drawing, a flowchart, an UML deployment diagram and so on.
6. Any additional references.

Submission Deadline

March 1, 2020

Announcement

Winners will be announced on March 23, during or immediately after the SCI DAY.

Amount of Award

\$5000 if a single proposal is selected by the Award Committee or \$2500 if two proposals are selected by the Award Committee.

Subsequent Award

The awardee is encouraged to implement a prototype of the proposed crazy idea and resubmit it to the Award Committee by March 1, 2020. If the Award Committee finds the prototype credible, the awardee will win a subsequent award, and the amount depends on the number of winners. If there is only one winning group, that group will receive a subsequent award of \$5000 on SCI Day of 2020. If two groups both have succeeded in implementing a prototype, each group will receive a subsequent award of \$2500 on SCI Day of 2020.

Submission

To Submit the Proposal please send the WORD file to schang@pitt.edu Contact Person If you have questions please contact

Prof. ShiKuo Chang schang@pitt.edu

Telephone

412-606-5022