



Rehabilitation Engineering
and Assistive Technology
Society of North America

Appropriate Technology Design Competition 2008

PURPOSE

The purpose of this competition is to encourage the creation of inexpensive appropriate technology (AT) for people with disabilities living in developing nations or impoverished areas of the world.

DEADLINE

The completed form must be received before **June 01, 2008**. Send the completed form via E mail to jlp46@pitt.edu with subject line of "SIG17 Design Contest".

CONTEST RULES

- The design should be original and not a modification of an existing product unless significant improvements have been made. Previously submitted designs are not eligible (see web page for list of previous designs at <http://www.pitt.edu/AFShome/e/1/elast10/public/html/SIG17/>)
- Designs must be fabricated and photographed for entry.
- By submitting your design, you agree to make your contact information (e-mail address) available to those seeking to learn more about your design and provide permission for public disclosure of your design. Proprietary or restricted information should not be used.
- Only one design can be entered per designer/design-team
- Submissions must be made in English.
- Judging Categories will include;
 - 1) Wheelchairs
 - 2) Seating (including cushions)
 - 3) Walking aids
 - 4) Communication aids
 - 5) Controls
 - 6) Other assistive technology
 - 7) Overall

A design can be entered into more than one category.

If less than three entries are received, entries and prize money will be deferred until the following year.

JUDGING

Designs will be judged on the following criteria: 25% Importance (need for this device), 25% cost, 20% availability of materials and technology, 10% innovation and creativity, 20% potential effectiveness.

The 10 selected leading entries will also undergo the "Peoples Choice" judging at the RESNA 2008 Conference in Washington, DC on June 26-30th, 2008. Here, conference attendees subjectively critique the designs.

AWARDS

Notification to entrants of the entries selected for final judging at the RESNA Conference will be made no later than June 10th, 2008.

Prizes will be distributed as follows:

First prize: \$ 800

Second prize: \$ 600

Third prize: \$ 300

Peoples' choice: \$ 300

Winners will be announced during the annual RESNA Conference at the Awards Ceremony. Contestants do not need to be present to win. Notification to entrants of the winning designs and prize money awards will be made no later than August 1, 2008.

ADDITIONAL INFORMATION

If you have any questions, contact Jon Pearlman at jlp46@pitt.edu.

Additional information is available on the RESNA Web site <www.resna.org> under the Professional Organization section, Special Interest Groups, SIG-17 - International Appropriate Technology (SIG-17). The SIG-17 homepage can be found directly at <<http://www.pitt.edu/AFShome/e/1/elast10/public/html/SIG17/>>

Appropriate Technology Design Competition is a project of RESNA SIG-17, the Special Interest Group on International Appropriate Technology.

The competition is sponsored by:

RESNA (The Rehabilitation Engineering and Assistive Technology Society of North America)

1700 N Moore St., Suite 1540	Voice	703.524.6686
Arlington, VA 22209-1903	Fax	703.524.6630
www.resna.org	E-mail	info@resna.org

BlueSky Designs Inc

2637 27 th Ave, South, Suite 209	Voice	888.724.7002
Minneapolis, MN 55406	Fax	612.724.7004
www.blueskydesigns.us	E-mail	info@blueskydesigns.us

AireRx Healthcare, LLC

1843 Air Lane Drive	Voice: (615) 244-3327
Nashville, TN 37210	FAX: (615) 244-7745
www.airerx.com	E-mail: CherylMcClain@AireRx.com

2008 Appropriate Technology Design Competition Entry Form

Please complete all items on this form.

1. Name of Design _____ *Do not exceed 30 characters*

2. Designer / Design Team

Name _____ *Primary contact*

Address _____ *Mailing address*

E-mail _____

Phone _____ Fax _____

Occupation _____

Names of others on design team _____

3. Description. Describe your design in 300 words or less. Address all judging criteria.

4. Materials. List all materials required, quantities of each, the source of each material (where the material is found), and estimated cost in US dollars.

Material	Quantity	Source	Cost US\$
1.			
2.			
3.			
4.			
5.			

5. Cost. Total estimated cost of cushion materials: _____ US\$

6. Equipment/Tools. List all equipment and tools used to construct the device.

- | | |
|----|----|
| 1. | 4. |
| 2. | 5. |
| 3. | 6. |

7. Construction. Provide step-by-step, detailed instructions on how the device was constructed.

- | | |
|----|----|
| 1. | 5. |
| 2. | 6. |
| 3. | 7. |
| 4. | 8. |

8. Time. Total construction time: _____ hours

9. Weight of cushion: _____ lbs / kg

10. Features. Describe any special, new or improved features of the device.

- 1.
- 2.
- 3.
- 4.

12. Device Use and Care. Describe any instructions for use and care of the device.

- 1.
- 2.
- 3.
- 4.

13. Describe in detail the history of the device design. (i.e. Is it now in use? How many are produced and used per month? What are the positive and negative results? What changes have you made based on feedback and performance?)

- 1.
- 2.
- 3.
- 4.

14. Insert digital photos of the device and sketches if available here. No more than 3 images (250 Kb each). Indicate dimensions and name all parts