

Materials Visualization Competition 2009 (MVC09)

MVC09 is a new scientific visual and artistic competition sponsored by the Department of Materials Science and Engineering and the Materials Research Institute. Created to celebrate the quality of research in Materials at Penn State, this competition promises to increase awareness of materials science through the creativity and visualization of our researchers.

ELIGIBLE PARTICIPANTS:

MVC09 is open all faculty, graduate and undergraduate students, and post-docs of the Department of Materials Science and Engineering and the Materials Research Institute who are working on materials topics.

IMAGE SUBMISSION GUIDELINES:

Any eligible participant may submit **one** entry only. This entry can be submitted in only one of two categories: **Scientific** or **Artistic**. Any image being submitted to MVC09 must meet the following criteria:

1. Any image submitted must be a result from that participant's research. Be prepared to provide evidence upon request.
2. Each image must be accompanied by a Description Page in Word (.doc) file format. The Description Page must include:
 - a. Author identification
 - b. Category of entry (Scientific or Visual)
 - c. A caption to accompany the image (no more than 30 words)
 - d. A scientific description of the image (no more than 150 words)
 - e. Date the image was generated
3. Only original work may be submitted. If the image has been published, appropriate written permission from the journal editor to participate in the MVC09 contest, to post the image on a web site, or to any other non-profitable activity related to this competition (with citation to the original work) must be submitted with the image.
4. To participate in MVC09, all images and Description Pages must be submitted via e-mail to Michael Fleck, at **fleck@matse.psu.edu**. Each e-mail should contain **one image** and **one Word (.doc) file**.

IMAGE FORMAT GUIDELINES:

To provide a uniform basis for the evaluation of all images submitted to the competition, all images must meet the following criteria:

1. Images will be submitted only in JPEG (.jpg) or TIFF (.tif) format.
2. PowerPoint files and slides will not be accepted.
3. Image format and resolution:
 - a. Image file size is to be no larger than 5MB.
 - b. Images will be no larger than 150 (ppi) resolution and no smaller than 12 inches wide or 12 inches high.
 - c. Winning participants will be requested to submit a final 300 (ppi) high-resolution image for print.
4. Author names, titles, or references to the author should not appear on the submitted image nor in the scientific description or caption.
5. No scales, axis, dates, etc., should appear on the submitted image. Please include scales, axis, dates, etc. in the scientific description.
6. All images will be submitted electronically. No photographic hard copy prints will be accepted.
7. Images may be edited or enhanced to express creativity and visual impact, but must maintain scientific integrity.

JUDGING:

All images will be judged by a panel defined by the Department of Materials Science and Engineering and the Materials Research Institute.

Images will be judged in two categories: **Scientific** and **Visual**.

Judging criteria for each category is as follows:

1. **Effective communication** (if the image communicates what the researcher wants it to).
2. **Technical capability** (does the image capture relevant aspects).
3. **Visual impact** (engaging, aesthetics, attractiveness).
4. **Originality** (imagination and creativity).

After deliberation, the panel will choose a maximum of **seven** winning images. The decision of the panel of judges will be final. A suitable agreement form should be signed by the authors with the approval of the advisor of their project.

These images may also be used in graphic material such as posters, brochures, newsletters, etc., and posted on the MatSE and MRI web sites.

RIGHTS:

By participating, winners agree to allow the organization of the MVC09 to post their names online as a competition winner without further compensation. Except where prohibited, by accepting awards the winners agree to the public use of their names, addresses and images for advertising or publicity purposes without further compensation.

AWARDS:

Images in each category selected by the MVC09 judging panel will receive monetary awards as follows:

Best of Show: \$1,000.

Scientific:	Artistic:
1st place: \$500.	1st place: \$500.
2nd place: \$250.	2nd place: \$250.
3rd place: \$100.	3rd place: \$100.

Awards may not be transferred or assigned. Only the awards described in these rules will be awarded. All applicable federal, national, state and local taxes, if any, on the award are the sole responsibility of the award winner.

IMPORTANT DATES:

1. Submission deadline: All images must be submitted by Tuesday, March 24, 2009, by 11:59 pm.
2. MVC09 winners will be announced and displayed at Materials Day 2009 on April 14.

MVC09 guidelines and Description Page can be found at: <http://www.matse.psu.edu/mvc09>

Questions about MVC09 can be directed to Michael Fleck, at **fleck@matse.psu.edu**.