

Conditions:

Best Idea Contest 2009

New Applications for Cold Roll Bonded Clad Metals

1. General Conditions

- 1.1. The contest is sponsored by Engineered Materials Solutions (Attleboro, MA) and Wickeder Westfalenstahl GmbH (Wickede an der Ruhr, Germany).
- 1.2. To be eligible, contestants must be current undergraduate or graduate students who have completed at least one year's study in Materials Science or Engineering at an accredited four-year college or university in the U.S. or Canada.
- 1.3. Each participant (or group) can submit only one entry.

2. Contest Objective

- 2.1. The objective of the contest is to encourage students to develop new ideas for the application of clad metals.
- 2.2. Applications must be new, technically feasible (i.e. able to be realized metallurgically and economically), and have good market potential.
- 2.3. Only material that is bonded over the whole surface (= cold rolled bonded by overlay cladding) with a total thickness from 0.1 mm (.004") to 4.0 mm (.160") and a maximum width of 800 mm (32") is allowed.

3. Questions About Clad Metals

- 3.1. Contestants with questions about clad metals or seeking information about existing applications for clad metals should first review the Engineered Materials Solutions and Wickeder Westfalenstahl websites (www.cladit.com; www.wickeder.de). The Clad It brochure and information found on the technical information dropdown menu of the EMS website may be especially helpful. Remaining questions can be answered by:
Gerald Johnson
Technical Consultant
Wickeder Westfalenstahl GmbH
25823 Springbrook,
Farmington Hills, MI 48336
geraldjohnson2@aol.com

4. Entry Support Documents

- 4.1. In addition to documents described in points 5 and 7 below, contestants must present their final results in a written report (ppt presentation) which includes the following:
 - Short description of the idea/application.

- Metals combination to be used and technical description.
 - Detailed explanation why clad metal must be used for this application (e.g. explanation of technical issues, costs).
 - Explanation of why the particular metals were chosen for this application and how each metal contributes to the result.
 - Give a short overview of the market potential for this application.
- 4.2. Presentation of the final results described above must be in written form (ppt presentation, maximum 10 slides) and can be sent by email, together with the NDA (see point 7), to Dr. Bruno Streb (Wickeder Westfalenstahl GmbH); Fax: +49 (0) 2377 – 917 768; email: Bruno.Streb@wickeder.de

5. Deadlines

- 5.1. Registration/Application: Registration for the contest begins on January 2, 2009, and ends at 12:00 midnight (EST) on October 16, 2009.
- 5.2. Application form: Students can download the application form on the following web sites:
www.cladit.com
www.wickeder.de
 Please note that a brief description of the basic idea is required on the application.
 After registration/application all participants will receive a confirmation by email, further information on clad metals and the NDA that must be signed (see point 7).
 The application must be complete and understandable to be accepted.
- 5.3. Application deadline: 12:00 midnight (EST) on October 16, 2009.
- 5.4. The presentation of the final results must be sent by 12:00 midnight, (EST), **December 18, 2009**, to Dr. Bruno Streb (Wickeder Westfalenstahl GmbH); Fax: +49 (0) 2377 – 917 768; email: Bruno.Streb@wickeder.de. In the email the subject needs to be marked as “New Applications for Cold Roll Bonded Clad Metals”. The signed NDA (see point 7) must be attached.

6. Prizes and Jury

- 6.1. There are 3 winners with the following prizes:
- | | |
|---------------|-----------|
| First Prize: | \$ 15,000 |
| Second Prize: | \$ 7,000 |
| Third Prize: | \$ 3,000 |
- 6.2. Contest judges are:
 Rainer Theile – Wickeder Westfalenstahl GmbH
 Chuck Tuffile – Engineered Materials Solutions
 Mike Hardy – Engineered Materials Solutions
 Fred Schmidt - ASM Materials Education Foundation, Engineering Systems, Inc
 Carl Czajkowski - ASM Materials Education Foundation, Brookhaven National Laboratory
- 6.3. All applicants will be contacted following the judges review of the presentations. The winners will be selected by the end of March, 2010. The prizes will be awarded during June, 2010.
- 6.4. Winners will be selected by the judges based on the following criteria:
- best idea utilizing clad metals (for any global industry)
 - innovation

- technical feasibility
- market potential

7. Right of property / Ownership of ideas and Privacy Declaration

All contestants will be required to send the signed NDA from their university leaving ownership with the inventor, but giving the Wickeder group (Wickeder Westfalenstahl GmbH and Engineered Materials Solutions) first right for commercialization (for details see NDA form). The NDA must be printed out, signed and faxed or emailed to Dr. Bruno Streb (Wickeder Westfalenstahl GmbH); Fax: +49 (0) 2377 – 917 768; email: Bruno.Streb@wickeder.de

Contestants agree to use of the personal data included in the application form as required by the process of the Best Idea Contest.

By entering, all contestants agree without reservation to all contest conditions and accept the judges decision as final.

Wickede (Ruhr), Germany, 2009