



APMI International Excellence in Metallography Award

APMI is pleased to sponsor the "Excellence in Metallography Award" competition that recognizes the individual(s) responsible for metallography used to support and provide evidence for the ideas set forth in a technical paper presented at PowderMet2012.

Any author(s) submitting a publishable manuscript is eligible for consideration provided that:

- ❖ **The primary author** submits an "**Excellence in Metallography Submission Form**" with the Transfer of Copyright and the **Final** electronically-transferred (or mailed CD-ROM) manuscript to the offices of MPIF before the Replacement Manuscript Deadline, **July 11, 2012**.
- ❖ **Any manuscript not in MPIF's possession on July 11, 2012 will not be considered for the award. There are NO exceptions to this rule.**
- ❖ The primary author, not the Session Chairman, is responsible for submitting the manuscript and the submission form.

A specially selected Judging Committee will evaluate all eligible manuscripts. This committee will reach its final decision by the end of 2012. The winning primary author(s) will be notified by E-mail or other suitable means.

A certificate award presentation will be made at the following year's technical conference, PowderMet2013 in Chicago, June 24-27, and the Judging Committee will prepare a poster of the winning entry(s). APMI will announce the Award recipient(s) in all appropriate media and the paper will be published through the APMI *PM Industry NewsLine*.

Special Note: The "**Excellence in Metallography Submission Form**" is included in the "Important Forms" section of the *Speaker Guide*.

***Sent under the direction of: Thomas F. Murphy, FAPMI
APMI Metallography Competition Chairman
Hoeganaes Corporation***



APMI INTERNATIONAL

EXCELLENCE IN METALLOGRAPHY AWARD

Purpose

The purposes of this award shall be:

- ❖ *To recognize individual(s) responsible for excellence in the metallography used in scientific and technical written communications. The award is for papers presented and submitted for publication from the annual technical conference organized by the Metal Powder Industries Federation in cooperation with APMI International;*
- ❖ *to enhance the quality of technology transfer in the PM literature by increasing the utilization of metallography in papers submitted for the annual technical conference;*
- ❖ *to sustain and promote the science and technology of metallography which is fundamental to powder metallurgy products, processes and materials.*

Eligibility

Open to authors of papers of original and unpublished work submitted and presented for publication in the proceedings of the conference or special proceedings.

Transfer of copyright agreement must be submitted with the original manuscript to MPIF.

Authors must follow established guidelines regarding manuscript preparation, preview and publication schedule in order for the paper to be considered for the award.

Criteria

The metallography must support and provide evidence for the ideas set forth in the technical paper. The information provided in the technical paper should be sufficient to allow recreation and duplication of the work performed.

Details of metallographic sample preparation, image capture, data generation and acquisition, etc. must be included. Examples are, but not limited to: details of polishing procedures, etchants, photographic techniques, scale markers, stereological test methods, chemical analysis method details, etc.

Photomicrographs must be of the highest quality. The metallography must be relevant – no fluff.

Method of Selection

Judging will be based on a point system using four criteria. The maximum number of points for each criteria, along with a brief explanation, are shown below:

Scientific, Technical Depth and/or Content Significance

- 40** *Technical content-relevance and applicability of the project in relation to solving a problem and/or providing information to support the ideas set forth in the paper.*

Preparation

- 30** *Quality and uniqueness of sample preparation including proper use of etchants and microscopy methods.*

Presentation

- 20** *Quality of photomicrograph(s) (photographic techniques; scale markers; etc.)*

Value

- 10** *The paper has long-term reference value.*

The judging committee will rate the manuscripts against each of the above quality standards with the maximum point total of 100.



Excellence in Metallography Award (EMA)

SUBMISSION FORM

Recognizing the most effective use of metallography in a conference technical paper

TO ENTER THE COMPETITION:

Complete this form and submit to: paper@mpif.org before the Replacement Manuscript Deadline, July 11, 2012. (Print legibly)

FROM:

Name of Author (Primary contact)

TITLE OF PAPER:

PAPER # _____

Please list individual(s) responsible for the metallographic material:

Name

Name

Name

Name

Signature, (Primary contact)

Date

Company

All correspondence will be made through the primary contact.

APMI membership is not a requirement but is encouraged.