



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*Open to authors of papers of original and unpublished work submitted and presented for publication in the proceedings of the conference or special proceedings.*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