

The Alloy Phase Diagram International Commission (APDIC) awards two prizes annually—a Best Paper Award and an Industrial Award. APDIC was established in 1986 as an organization to promote the assessment of phase diagrams. Currently, 17 organizations from 22 countries are members. The work of APDIC has been summarized in previous editorials—JPED, Vol 24 (No. 6), 2003, p 493; JPED, Vol 25 (No. 2), 2004, p 111) and described in some detail in JPED, Vol 24 (No. 5), 2003, p 389.

The APDIC Best Paper Award is given for the best single paper in a particular year on the critical assessment of alloy phase diagram data of metals and ceramics, including thermodynamic assessment, theoretical calculation and experiment, and consists of a \$500 check and certificate. The primary journals reviewed are *J Phase Equilibria and Diffusion*, *Metall Mater Trans A+B*, *Z Metallkunde*, *Calphad*, *J Alloys & Compounds*, and *Intermetallics*. The award also covers other relevant journals.

Professor Rainer Schmid-Fetzer, APDIC Chair and an associate editor of the journal, conferred the 2005 award for the best paper in 2004 during the Calphad XXXIV meeting, May 2005, Maastricht, The Netherlands. Two of the coauthors, Professor Kiyohito Ishida and Dr. Ikuo

Ohnuma, are shown bottom left with their certificates.

APDIC has presented the Best Paper Award since 1996. An example of this year's certificate is shown below for the first author, Professor Xing Jun Liu, of the jointly written paper describing experimental work and thermodynamic calculations on phase equilibria in the Cu-Sn and Cu-Sn-Mn systems.

The APDIC Industrial Award is given for the best achievement in raising awareness of the economic, societal, and technical importance of applied knowledge in phase diagrams and related data within commercial organi-

zations. The award consists of a bronze medal mounted on wood with a metal plaque inscribed with the award citation.

The recipient organization for 2005 is The Baoshan Iron and Steel Company Limited, Shanghai, The Peoples's Republic of China. A schematic of the award is shown on page 409. The medal and plaque will be presented at a ceremony in October, in Shanghai. The plaque shows the citation—for combined state-of-the-art calculations involving thermodynamics and kinetics coupled with high precision experimental work applied to practical industrial purposes. This work was car-



## APDIC Best Paper Award

This Certificate is Awarded to

**Xing Jun Liu**

For the best published manuscript on alloy phase diagram data  
in the year 2004

**"Experimental Investigation and Thermodynamic Calculation of the  
Phase Equilibria in the Cu-Sn and Cu-Sn-Mn Systems"**

by X J Liu, C P Wang, I Ohnuma, R Kainuma and K Ishida

that appeared in

*Metall Mater Trans A*, 2004, vol 35A, no 6, pp 1641-1654

Signed by the authority of the APDIC membership

May 2005

Rainer Schmid-Fetzer, Chairman



Rainer Schmid-Fetzer, APDIC Chair and Associate Editor of the Journal, with two of the 2005 APDIC Best Paper Award recipients Kiyohito Ishida and Ikuo Ohnuma

Argentine Committee for Phase Diagrams, ARGENTINA  
 ASM International®, U.S.A.  
 Associated Phase Diagram and Thermodynamics Committee, POLAND  
 BIN GANIA, CZECH REPUBLIC, HUNGARY, ROMANIA  
 SERBIA & MONTENEGRO, SLOVAKIA, SLOVENIA  
 Baikov Institute of Metallurgy and Materials Science, RUSSIA  
 Brazilian Committee for Phase Diagrams of Materials, BRAZIL  
 Chimica e Chimica Industriale, University of Genova, ITALY  
 Chinese Phase Diagram Committee, P.R. CHINA  
 Deutsche Gesellschaft für Materialkunde, GERMANY

Groupe de Thermodynamique et Diagrammes de Phases, FRANCE  
 The Indian Institute of Metals, INDIA  
 The Institute of Materials, Minerals & Mining, UK  
 Japanese Committee for Alloy Phase Diagrams, JAPAN  
 Korean Committee of Thermodynamics and Phase Equilibria, KOREA  
 Materials Science International Services, GERMANY  
 Max-Planck Institut für Metallforschung, GERMANY  
 Royal Institute of Technology, SWEDEN  
 Ukrainian Phase Diagram and Thermodynamic Commission, UKRAINE



ried out in conjunction with Professor Lin Li, Department of Materials Science and Engineering, Shanghai University.

Previous recipients of the APDIC Industrial Award are: Nippon Steel Corporation in 2003, and both JFE Steel Corporation (Japan) and



**Drs. Akihito Kiyose and Tooru Matsumiya of Nippon Steel Corporation holding the first APDIC Industrial Award Presented in 2003**

QuesTek Innovations LLC (USA) in 2004.

The first Industrial Award was presented during the initial APDIC World Round Robin Seminar (WRRS) held at Hokkaido University. These Seminars are primarily educational for researchers in industry and students, and are complimentary to the “User Aspects of Phase Diagrams” meetings organized, e.g., by ASM International. The features of the WRRS have been described in JPED, Vol 25 (No. 2), 2004, p 111 by past APDIC chair Professor Tetsuo Mohri. The next WRRS is planned for July 2006, to be held in conjunction with the Brazilian Materials Society (ABM) annual congresso, Rio de Janeiro.

Above remarks by:

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APDIC Secretary

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Contact: <http://www.matport.com/communities/apdic/index.shtml>