

WOJCIECH ZAKULSKI*, ZBIGNIEW MOSER*

**NEW WAY OF ASSOCIATED PHASE DIAGRAM AND THERMODYNAMICS COMMITTEE:
POLAND, BULGARIA, CZECH REPUBLIC, HUNGARY, SLOVAKIA AND YUGOSLAVIA**

**NOWE DROGI MIĘDZYNARODOWEGO KOMITETU RÓWNOWAG FAZOWYCH
I TERMODYNAMIKI:
POLSKA, BUŁGARIA, REPUBLIKA CZESKA, WĘGRY, SŁOWACJA, JUGOSŁAWIA**

The continuous tendency towards closer and closer international co-operation is one of the important reasons why Poland, as well as several other countries from that region of Europe are going to be a member of European Union. For many years the same necessities have been visible on the Polish market. That was why several Polish scientific centers working in the basic thermodynamics and the phase diagram studies have formed Polish Phase Diagram Committee. The committee was accepted to Alloy Phase Diagram International Commission in 1994 and in this manner the Polish centers dealing with experimental thermodynamics have become a partner of an international "family" [1].

Thinking about the enlargement of our co-operation, we looked at our nearest and the farther neighbor-countries, which like Poland, also have gone through political and economic changes. Our efforts going towards searching and renewing previous contacts with the scientists from universities and academies of sciences from such countries as the Czech Republic, Hungary, Bulgaria, Slovakia and Yugoslavia, were strongly recommended by APDIC.

An important step of these efforts was a one-day workshop with the representatives of the above mentioned countries, organized at the end of 1999 in Kraków. The further steps connected with the organization of the Associated Phase Diagram and Thermodynamics Committee have been reported in [2] and [3].

In April 20, 2002, the meeting of PPDC was organized in Krynica, together with the conference "Metalurgia 2002", April 17-20, 2002, held by Committee of Metallurgy,

* INSTYTUT METALURGII I INŻYNIERII MATERIAŁOWEJ IM. A. KRUPKOWSKIEGO PAN, 30-059 KRAKÓW, UL. REYMONTA 25.

Polish Academy of Sciences. During the meeting the idea of replacement of PPDC into new international organization – Associated Phase Diagram and Thermodynamics Committee – was discussed and accepted.

In May 4, 2002, the meeting of APDIC was held in Djurhamn (Sweden). In order of the meeting, a separate point was raised on the final acceptance of Associated Phase Diagram and Thermodynamics Committee [4]. In the screenplay of this point it was stated:

- The work and remit of this new committee was made a special agenda item following an informal request by prof. Z b i g n i e w M o s e r during the APDIC-2001 meeting, York, UK, for the new committee to become a member of APDIC

- This committee was founded in its original form in Kraków, November 1999, and reported in the minutes of the APDIC-2000 meeting, Cambridge, Mass., USA. Its activities are described in an appendix to the report of the Polish Phase Diagram Committee in the minutes of the APDIC-2001 meeting. During that meeting there was a discussion as to the original form of the committee's name, which has now been resolved by mutual agreement

- Prof. M o s e r gave some background information on the new committee, which is described in Archives of Metallurgy, 2002, 47 (1), 137–140, presented a report of activities and formally requested that the committee be admitted to APDIC

- Chairman Prof. M o h r i stated that as he understood the situation, if the new committee became an APDIC member, the Polish Phase Diagram Committee would relinquish APDIC membership. Prof M o s e r confirmed this.

- **The Associated Phase Diagram and Thermodynamics Committee (Poland, Bulgaria, Czech Republic, Hungary, Slovakia and Yugoslavia) was voted an Associate Member to APDIC unanimously**

- The name of the new committee has been incorporated in a revised version of the APDIC notepaper

During the meeting it was agreed that for the immediate future APDIC meetings would continue to be held just before the Calphad conference. Thus, the 2003 meeting will be in Quebec, Canada, and the 2004 meeting is set for Kraków, Poland.

Referring to Calphad meeting in Krakow in 2004, in the organizational committee there will be three co-operated centers: Institute of Metallurgy and Materials Science PAS, Jagiellonian University and University of Mining and Metallurgy.

In September 4, 2002, a meeting of the Associated Committee was organized, and was held in Masaryk University, Brno (the Czech Republic), together with the conference – The VIII-th Seminar “*Diffusion and Thermodynamics of Materials*”, 4–6 September 2002, organized by Institute of Physics of Materials – Academy of Sciences of the Czech Republic and Faculty of Science, Masaryk University in Brno. During the conference, 12 invited and 16 contributed lectures were presented, as well as 30 works shown as posters. The scientists came from 15 countries (Austria, Bulgaria, the Czech Republic, Estonia, Germany, Hungary, Japan, Korea, Poland, Russia, Slovak, the Ukraine, the United Kingdom, the USA, and Yugoslavia).

During the meeting in Brno the discussion were undertaken on the possible co-operation within the members of the committee. Prof. M o s e r and Prof. J a n

Vreštal (Masaryk University in Brno) pointed out that both Polish and the Czech side is involved in COST-531 action, and that it is a good platform for co-operation with Associated Committee.

As one of the possible platforms of joint co-operation, Dr. A. Kroupa (Institute of Physics of Materials, Academy of Sciences CR, Brno) proposed to start with the creation of some kind of literature reference data base, for instance for solders or other alloys investigated in the laboratories belonging to the Committee members, which could be available to all members of the Committee to make easier possible co-operation.

Prof. Moser informed the members of the meeting that in July 2002, Institute of Metallurgy and Materials Science (Krakow) obtained some funds from the Polish State Committee for Scientific Research for organizing the network. That financial support is for 2002–2004, however, not for research works but for mutual contacts of members of Associate Committee. Within these funds, the meeting of Associated Committee is planned in fall of 2003, in Kraków. The grant makes it also possible to support the participation of a few scientists from Associated Committee in the Calphad meeting (Kraków 2004).

REFERENCES

- [1] Z. Moser, Polish Phase Diagram Committee, *Archives of Metallurgy* **41**, 117 (1996).
- [2] Z. Moser, W. Zakulski, Associated Phase Diagram and Thermodynamics Committee: Poland, Bulgaria, Czech Republic, Hungary, Slovakia and Yugoslavia. *Archives of Metallurgy* **47**, (1), 137–140 (2002).
- [3] Z. Moser, Editorial, *Journal of Phase Equilibria* **23**, 2, (2002).
- [4] Meeting Minutes – Alloy Phase Diagram International Commission, May 4, 2002, Djurhamn, Sweden.

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