

Report

On

10th National Conference on X-ray Diffraction and ICDD Workshop

Oct.12-15, 2009, Shanghai

By

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The 10th National Conference on X-ray Diffraction and ICDD Workshop was held in Shanghai, China from October 12 to October 15, 2009. The conference and workshop was jointly organized by the Commission on Powder Diffraction, Chinese Society of Crystallography; the Commission on X-ray Diffraction, Chinese Society of Physics; National Natural Science Foundation of China (NSFC); the International Center for Diffraction Data (ICDD); and the Beijing Ceramic Society. The local organizers were the Shanghai Jiaotong University and the Shanghai Institute of Ceramics, Chinese Academy of Sciences. The three day conference was preceded by a one day Low Dimensional Workshop. The first day's (Oct.12) agenda comprised five invited plenary talks and four talks from commercial vendors. The second day (Oct.13) was solely devoted to an ICDD Workshop in one general session. The third day (Oct.14) was devoted to seventy oral presentations in three sessions with themes of new methods, theory, applications, characterization of low-dimensional materials and other methods. There were over 260 total participants from universities, institutions and industry. The commercial vendors came from across China and other countries including Japan and the United States.

The ICDD Workshop began with Prof. Xiaolong Chen's opening remarks, giving a brief introduction to ICDD and his personal involvement with

ICDD. Dr. Tim Fawcett presented an award to Prof. Shaofan Lin on behalf of the ICDD in recognition of his contribution of 1000 quality reference patterns to the ICDD-PDF. Prof. Lin is the first recipient of such an award. Dr. Fawcett's two talks "The ICDD and China" and "Features, Functions and Capabilities of the Powder Diffraction File" and Dr. Fangling Needham's "PDF-4/Organics" were very instructive and well received. Dr. Ting C. Huang, Editor-in-Chief of Powder Diffraction then gave an introduction to this journal, both its history and its present form. Another three selected people spoke on a variety of topics including neutron diffraction (Dr. Q. Huang, NIST, USA), two-dimensional detectors (Dr. Bob He, Bruker, USA), and X-ray analysis of thin film materials (Prof. W. Zheng, Jilin University, China). The capacity and power of the ICDD 2009 released PDF-4 impressed all the participants very much and created lots of interest. The ICDD booth was exhibited during the Conference, catching many people's eyes due to its wonderful design and its highlighted position where it stood. Tim and Fangling spent one day at the booth to demonstrate the newest PDF-4/DDView+ database/software and to answer questions, ranging from the capacity to how to order the products, raised by the curious attendees. Some attendees were able to have hands-on experience using the newly released products of the ICDD. Many others copied the 2009-release PDF-4 demonstration version onto their own computers.

The Conference and the Workshop were very successful in terms of the capacity and the positive responses from the attendees, greatly enhancing the popularity of ICDD and ICDD's products in the Chinese X-ray community. The conference financially supported twenty-two Chinese ICDD members for their attendance. We also presented prizes to five young scientists for their outstanding research work and to six attendees (including several students) for their excellent posters.



Participants of the Conference and the ICDD Workshop



A satellite workshop prior to the Conference and the ICDD workshop



Opening ceremony



audience at the plenary session



Prize for Outstanding Young Scientists



Prize for Excellent Posters



ICDD Workshop opening remarks by Xiaolong



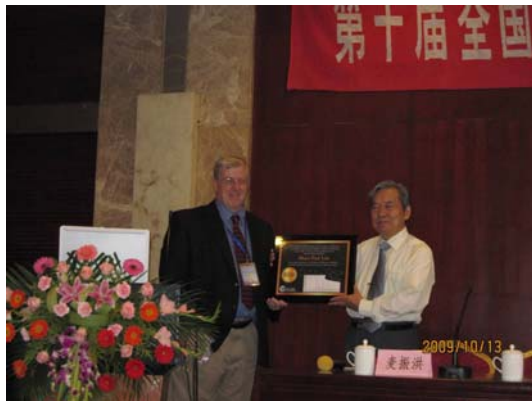
Tim is delivering his talk



Fangling is delivering her talk



Ting is delivering his talk



Prize presenting to Shaofan Lin by Tim



ICDD Booth



Fangling is demonstrating PDF4



Tim is demonstrating PDF4



Front row, left to right: Guanglie Lu, Fangling Needham, Tim Fawcett, Shao-Fan Lin, Xiaolong Chen,
Zhenhong Mai, Ting Huang, Xinkan Yao, Fengchao Liu

Back row, left to right: Wei He, Hui Zhang, Liang Fang, Yanming Zhao, Lei Shi, Weitao Zheng, Ming Li,
Lingmin Zeng, Wenjun Wang, Wanyan Wang, Wenxia Yuan