

Report on

POWTEX Tokyo 2006 & International Forums

including EAST ASIAN Forum

together with

50th Anniversary of the Society of Powder Technology, JAPAN



The Association of Powder Process Industry and Engineering, JAPAN (APPIE) held the 16th Exhibition in Tokyo on 7th(Tue.) – 10th(Fri.) November, 2006 at Makuhari Messe near Tokyo. It was the year of 35th anniversary of APPIE and 50th anniversary of the Society of Powder Technology, Japan (SPTJ).

Clear fine days of Japanese autumn continued

The occasion of the exhibition was effectively utilized to celebrate the honor of the memorial year. Among various events held at the chance, the most remarkable was the EAST ASIAN Forum to present the status of Particle Technology and Industries in East Asian Countries. Five gentlemen from China, India, Korea, Thailand and Vietnam made impressive introductions of the status of each country.

The site of the exhibition is located on the eastern coast of Tokyo Bay connected with the Central Tokyo Station in 40 minutes by rapid service JR train. Since 1996 APPIE kept the site for POWTEX Tokyo. 275 exhibitors presented their products in 894 booths. On the first day, severe winds more than 20 m/s attacked the Tokyo Bay area and in 3 hours the



train was obliged to stop the operation. Tape was cut to open the site.

Fortunately it caused nothing serious other than the stoppage of the railway, but

visitors decreased to less than ten thousand. Clear fine days of Japanese autumn continued afterwards to the final exhibition. Consequently 61,486 persons visited the site in 4 days.

Prof. Hitoshi Emi is the president of APPIE. He is the Professor emeritus of Kanazawa University and became the president in May of the year. He declared the opening of POWTEX Tokyo 2006 loudly before the guest visitors and cut the decorated tape with guests from the authority and friendly organizations. The watchword of POWTEX Tokyo 2006 is “In each particle...is the Powder Technology to realize dreams”. In the word is contained the meaning that technology is the edge and make the breakthrough in industries of various categories, and among all powder technology plays important roll in process industry.



Mr. Hosokawa on his seat

Special speech to celebrate POWTEX Tokyo 2006 was made by Mr. Masuo Hosokawa, the president and CEO of Hosokawa Micron Corporation; globally renowned company for the achievements in particle science and technology. His speech was titled “More than 50 years with powder technology and forth”.

He started the story when his father Eiichi established his firm in 1916 celebrated by Genzou Shimazu, the founder of GS Battery Corp. and the Shimazu Co., and invented the pulverizer of lead for battery cell. Then he introduced various recent results of developments in nano particle technology made by Hosokawa Micron. He suggested the great possibility of nano particles and explained active steps of his company in pharmaceuticals, cosmetics and industrial application.

East Asian Forum was held on the second day. Invited speakers are Prof. Jinghai Li, vice president of Chinese Academy of Science, Dr. Pradip, group leader of Tata Research Development and Design Centre, Prof. Yong Kang, Chungnam National University, Korea, Prof. Wiwut Tanthapanichakoon, Director of National Nanotechnology Center, Thailand, and Prof. Vu Ba Minh, Ho Chi Minh City University of Technology, Vietnam. Each speaker explained the recent status of industry and powder technology concisely on the latest data. A banquet followed after the presentation, and advanced discussion and cheerful talk continued enthusiastically. APPIE and SPTJ had close relationship

between these countries by Asian Particle Technology Symposium (APT) and other chances, and at the occasion the tie was firmly confirmed.

On the third and fourth days, International Forums were held on nano particles characterization, industrial crystallization, and design of particles in pharmaceuticals.

Guest speakers were invited from U.S.A., Canada, Germany, Switzerland and Austria. The forms of round table discussion, lecture with question and answer or discussion in front of the presentation panel were adopted case by case. Assisted by the simultaneous interpreting system, discussions were quite fruitful. Each forum was full of participants and the manager was obliged to refuse entrance for the new persons several times.



Five invited speakers from right to left: Prof. Li (China), Dr. Pradip (India), Prof. Kang (Korea), Prof. Wiwut (Thailand), Prof. Vu (Vietnam)



Exhibition Site

Exhibition was presented in 3 halls. Each is located closely without any wall or column to hinder the uniformity. Visitors can look over the site at a glance in the entrance and then go down to exhibition booths by the downward escalator. Exhibits of each corporation were classified mainly in three categories: Manufacturing,

processing equipment area, Instrumentation, measuring and laboratory

equipment area and Material engineering, information area. At the occasion, Pharmaceutical equipment and outsourcing area and Nano-particle technology area are newly added.

APPIE had own exhibition booth. Powder Plaza including Theme Corner and Academic Corner, exhibits in panels of nascent research results by young researchers of universities and national research organizations. Veterans of powder technology

estimated the panels, and the best three presentations were awarded by APPIE. APPIE also exhibited its activities. 19 technical groups exhibited their activities in panel, and samples of standard powders specified by JIS and APPIE standard were presented. Various documents published by APPIE were also on the shelf for sale. In Nano-particle technology area, oral presentation by the exhibitors were made in turn and collected many audience. Instruments to measure nano size particles were on the main topics of the presentation.

SPTJ and APPIE are sister organizations. SPTJ is mainly from academia and APPIE from industry. APPIE has POWTEX every autumn alternately in Tokyo and Osaka. SPTJ has Autumn Meeting to present research results at the same time and place. SPTJ were established in 1956 by researchers of universities and national research organizations in Nagoya. This was the year of 50th anniversary of SPTJ, and on the second day of POWTEX Tokyo 2006 the ceremony was held in the International Conference Hall of Makuhari Messe.

In the ceremony, SPTJ awarded meritorious people and organizations, and lectures to celebrate the memorial time were made by guest speakers; Dr. Reg Davies of du Pond, U.S.A., Prof. Mojtaba Ghadiri of University of Leeds, U.K., and Prof. Hiroaki Masuda of Kyoto University. Each talked on the future prospect of



powder technology from the SPTJ awarded meritorious people and organizations viewpoint of his career and position in his country. Following the ceremony, a banquet was held. 145 persons participated. Old acquaintances both from abroad and domestic area, appreciated the opportunity to meet together after long absence.

The next exhibition, POWTEX Osaka 2007, is scheduled from 16th(Tue.) to 19th(Fri.) October, 2007.

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