

REPORT
ISTMA-WORLD ASSEMBLY & CONFERENCE
JOENSUU, FINLAND
JUNE 9 – 14, 2007

INTRODUCTION:

Approximately 170 delegates from 20 countries were present for the Annual ISTMA-World Members Assembly & Conference that was held June 9 – 14 2007 at the Sokos Hotel Kimmel, Joensuu, Finland. Representing Canada were CTMA Treasurer, Horst Just (H.J. Machine & Pattern Ltd.) and CTMA Executive Director, Les Payne.



ISTMA COUNTRY REPRESENTATIVES

OBJECTIVES:

The objectives were to:

- Participate in the ISTMA-World Assembly and use the opportunity to network with ISTMA member countries.
- To represent Canada and discuss global trading issues specific to the machine, tool, die & mould industry.
- Obtain international market and business information that is critical to the development of foreign trade activities.
- Visit local plants to assess the level of technical ability of the tooling industry in Finland and the awareness of Canada's competitiveness as it relates to Europe
- Attend technical seminars
- Promote Canada's bid to host the ISTMA-World Conference in 2010.

COUNTRY REPORTS:

All country reports will be posted on the ISTMA website (www.istmaworld.org) soon.

REGISTRATION & WELCOME RECEPTION (June 9/07):

Delegates arrived and registered for the event in the afternoon and then had the opportunity to meet and network during a Welcome Reception in the evening.

ISTMA-WORLD EXECUTIVE MEETING HIGHLIGHTS (Afternoon of June 9/07):

The ISTMA-World Executive met during the afternoon of June 9/07. Highlights of the meeting included:

- Meeting was excellently chaired by Mr. Namasivayam Reguraj from India who is also Chairman of ISTMA-Asia.
- Conference attendance – total of 170 representatives from 20 different countries.
- New statutes for ISTMA-World were reviewed and revised for presentation at the Members' Assembly meeting the following day.
- Advised of applications for new membership from Turkey (www.ukub.org.tr), Latvia, Indonesia and Pakistan.
- Resolution on Australian membership.
- Uddeholm and Sandvik to become the first ISTMA Global Partners (corporate sponsors).
- Canada to be confirmed as site for the next ISTMA-World Conference in 2010.
- ISTMA-World membership dues/fees to be sent out January 1st of each year.
- Technical Dictionary – terminology is now available at www.istmaterminology.com



ISTMA-WORLD EXECUTIVE MEMBERS

ISTMA-AMERICAS MEETING HIGHLIGHTS (Morning of June 10/07):

The three ISTMA regional branches met individually during the morning of June 10/07. Highlights of the ISTMA-Americas meeting included:

- Minutes and financial reports were accepted.
- Contact list was reviewed and updated.
- Business conditions survey and questionnaire was reviewed. Next survey will be conducted at the end of June 2007.
- Canada was confirmed as the host country for the 2010 ISTMA-World Conference.
- New ISTMA-World statutes were reviewed. New officers were elected for ISTMA-Americas.
- Manfred Hoffman (USA) will not be assuming the position of ISTMA-World President.
- Worldwide membership dues are to be reviewed and a new annual date for invoicing has been set at January 1st.
- Argentina has not rejoined ISTMA-Americas as of yet.
- ISTMA-Americas website to be considered.

ISTMA-WORLD GENERAL ASSEMBLY ANNUAL MEETING HIGHLIGHTS (Afternoon of June 10/07):

Delegates from 20 member countries met in the afternoon of June 10/07. Highlights from the meeting included:

- Conference attendance included 170 representatives from 20 countries.
- New statutes were approved.
- Mr. Joaquim Menezes (Portugal) was elected as the new ISTMA-World President; Egon Jaeggin (USA) was elected ISTMA-World Co-Vice President and a representative from ISTMA-Asia will be appointed as well.
- New members from Turkey, Latvia, Indonesia and Pakistan were approved.
- New annual membership invoice date of January 1st was approved.
- Uddeholm and Sandvik to become the first ISTMA-World Global Partners.
- Canada to host the next ISTMA-World Conference in 2010.
- Technical terminology is now available at www.istmaterminology.com.

TECHNICAL CONFERENCE – DAY 1 (June 11/07):

A two-day technical conference was held in the Carelia Hall at the University of Joensuu. In Finland, university education is almost free and this applies to foreign students as well; many studies are provided in English.

The technical conference included the following presentations:

Future Car Production – Challenges and Chances for the Tool and Die Shop

Dr. Bernd Griesbach, Audi AG, Germany

Future Trends and Insights to Smart Working Tools, Environments and Instruments in Automobile and Electronic Industries

Dr. Jari Kaivo-oja, Research Director, Finland Futures Research Centre (FFRC), Turku School of Economics, Finland

Globalization of Manufacturing and Tool-Making of Toyota Motor Corporation

Mr. Yasua Kawada, General Manager, Stamping Production Engineering Division, Toyota Motor Corporation, Japan

National Tooling Initiatives (NTI) of South Africa

Mr. Dirk van Dyk, Project Manager, Toolmaking Association of South Africa (TASA), South Africa

Turkish Special Tooling Industry

Mr. Levent Ganiyusufoglu, Vice President of Mould Manufacturer Union of Turkey, Turkey

Brief Survey for Russian Moulds' Industry and Market Trends for Domestic Plastics Production

Dr. Vladimir Braginsky, Society of Plastics Engineers, Russia

How the Dynamic Automobile Business is Changing the Tooling Industry

Mr. Jay Baron, Director, Center for Automotive Research, Michigan, USA

Future Outlook for Car Industry – Supplier View

Mr. Svenake Berglie, Managing Director, Scandinavian Automotive Suppliers, Sweden

Tooling Industry and the New Paradigm for European Manufacturing

Dr. Elsa Henriques, Mech. Eng., Instituto Superior Tecnico (Lisbon), Portugal

EU Research Programmes Offer New Business Possibilities to European Mould Makers

Mr. Timo Ture, Managing Director, Elastopoli Oy, Finland

Tooling Solutions for Advanced High Strength Steels

Mr. Borje Johansson, Product Manager, Cold Work Applications, Uddeholm Tooling AB, Sweden

Improving the Efficiency Design and Manufacturing of Forming Dies

Dr. Boel Wadman, IVF Industrial Research and Development Corporation, Sweden

Superior Quality with Ultra Burnishing Equipment – Hiqusa

Mr. Sami Korhonen, Managing Director, Elpro Oy, Finland

Production Quality to the Detail – Ultrasonic Cleaning of Plastic, Rubber and Glass Moulds

Ms. Tea Lehto, Business Manager, Finnsonic Oy, Finland

An evening dinner hosted by the Mayor of Joensuu was held at the Joensuu City Hall (see photo below).



DINNER AT JOENSUU CITY HALL

New ISTMA-World President Mr. Joaquim Menezes (left) and University Professor Ms. Elsa Henriques (right), both from Portugal, in the Council Chamber of Joensuu City Hall.

TECHNICAL CONFERENCE – DAY 2 (June 12/07):

The second day of the technical conference held in the Carelia Hall at the University of Joensuu included the following presentations:

Trends in Industrial Design

Mr. Eero Miettinen, Director, Nokia Oyj, Finland

Customer Expectations, Demands for Industrial Design

Mr. Olavi Linden, Director, Fiskars Brands Finland Oy, Finland

New Materials and Processes

Mr. Roger Onions, Director, Delcam Ltd., England

Modification of Polymer Properties by Irradiation

Prof. Miroslav Manas, Tomas Bata University in Zlin, Czech Republic

Design Optimization of Tools Used for Cold Working Application for Maximizing Tool Life

Dr. Kumar M. Iyer, Assab Sripad Steels Ltd., India

A Quantum Step into the World of Nano Electro Discharge Machining

Dr. Ivano Beltrami, Agie SA, Switzerland

PVD-Coatings in the Field of Stamping/Forming

Mr. Andreas Reiter, Dipl.-Ing., Oerlikon Balzers Ltd., Lichtenstein

Influence of Mould Cavity Surface on Fluidity of Polymers

Ing. Michael Stanek, Ph.D., Tomas Bata University in Zlin, Czech Republic

Trends in Electronics Industry Sourcing

Mr. Jukka Heikkila, Sourcing Director, Vice President, Nokia Oyj, Finland

Industrial Tool Production Systems

Dr.-ing. Dipl.-Wirt.Ing. Christoph Klotzbach, Laboratory for Machine Tools and Production Engineering, Aachen, Germany

Advances in Mould Production and Moulding Technologies

Prof. A.M. Cunha, University of Minho, Portugal

Advanced Tool Steels for Moulds and Dies

Mr. Franz Russ, Senior Metallurgist Tool Steels, Bohler Edelstahl, Austria

Cutting Tool Demand and Futures

Mr. Tapio Alatalo, Product Manager, Seco Tools AB, Sweden

Technological Success Factors in Tool and Die Making

Mr. Kristian Arntz, Dipl.-Ing., Fraunhofer-Institute for Production Technology IPT, Aachen, Germany

The Effect of Surface Roughness Optimization on the Machining Time of a Forming Die

Ms. Reetta Kinisjarvi, M.Sc. (Tech.) and Mr. Juha Varis, Dr.Tech. (Eng.), Lappeenranta University of Technology, Finland

Diffusion Carbide Coating Applications

Prof. Ph.D. Mladen Stupnisek, Faculty of Mechanical Engineering and Naval Architecture University of Zagreb, Croatia

FINNISH DINNER (June 12/07):

Following two days of first-class speakers, delegates were treated to an Finnish dinner at Restaurant Huhmari complete with traditional dancers.



FINNISH DANCERS

FACTORY VISITS (June 13/07):

The following companies were visited in Finland:

- Abloy Oy (www.abloy.com)
- Fodesco Oy (www.fodesco.fi)
- Greenfox Oy (www.greenfox.com)
- Gritech Oy / Gritech-Tools (www.gritech.fi)
- Joensuu Science Park Ltd. / IMTEC (www.darelian.fi)
- John Deere Forestry Oy / Joensuu Factory (www.deere.com/fi_FI/)
- Okun Koneistuspalvelu Oy (www.okunkoneistuspalvelu.fi)
- Toolman Oy (www.toolma.fi)

Full reports on these companies are available from the CTMA office.



MIDNIGHT SUN – CHAMPAGNE TOUR TO HOTEL KOLI
Egon Jaeggin (USA) at Midnight in Finland

POST-CONFERENCE EVENTS:

Some of the delegates participated in a post-conference trip to St. Petersburg, Russia and Tallinn, Estonia. While at the conference, we met with Andrey Yagubtsov from Zavod Progress in St. Petersburg, Russia. Zvod Progress was involved with the Rosmold Show in Moscow during the week so we were unable to tour his company on June 15th which was the only day available to us in Russia. However, we were able to tour three companies in Tallinn, Estonia.



POST CONFERENCE TRIP TO ST. PETERSBURG, RUSSIA



**HORST JUST (CANADA) DOING HIS "TOUR GUIDE"
JOB IN ST. PETERSBURG, RUSSIA**

PLANT TOURS – TALLINN, ESTONIA:

Mr. Aleksander Kuzin, President of the Estonian Special Tooling Association, arranged the following plant tours for us in Estonia:

Viro Tools (www.virotools.ee) was established in 1993; they currently have 47 employees with 80% of their work in mould making; approximately 2.5 million Euro turnover per year; and 28 days of booked work ahead. In Estonia, there is no corporate tax provided any profit is reinvested within the company, which is a clear incentive to upgrade their equipment. Our host, Mr. Priit Pajulaid – Director, commented that he considers the Russian manufacturing volume/activity as being down by at least one third. Viro is a small tool shop with no clear floor space – expect them to expand soon.



VIRO TOOLS PLANT TOUR

L-R: Les Payne, Canada; Egon Jaegglin, USA; Harry Moser, USA; Wolfgang Sengebusch, Germany; Horst Just, Canada; Aleksander Kuzin, Zircon Technologies, Estonia; Riitta Sengebusch, Germany; Priit Pajulaid, Viro Tools, Estonia; Milt Stevenson, USA

Pioneer AS (www.pioneer.ee) was established in 1912; currently has 110 employees; manufactures dies and moulds; has a second plant producing die castings; have closed their sintering department. Our host was Ms. Tatiana Balabanova, Finance Director.

Zircon Technologies (www.zircon.ee) is a first-class progressive die making and injection mould making company that is as well-equipped as any other global company. With highly competent skilled employees at pay rates around 10 Euros per hour, Zircon is very competitive within their field. Our host was Aleksander Kuzin who is President of Zircon Technologies and, as mentioned previously, President of the Estonian Special Tooling Association.



ZIRCON TECHNOLOGIES PLANT TOUR

Our thanks to International Trade Canada for their financial assistance in helping us participate in this event.

Respectfully submitted,

Leslie Payne
ISTMA-Americas Secretariat
ISTMA Representative for Canada

LP/jmc