SECOND ANNOUNCEMENT

1st Mediterranean Conference on Heat Treatment and Surface Engineering

Heat Treatment and Surface Engineering in the Manufacture of Metallic Engineering Components

Sharm El-Sheikh, Egypt
December 1 – 3, 2009

Organized by
Egyptian Heat Treatment Society - EHTS
International Federation for Heat Treatment and Surface Engineering - IFHTSE
Welcome

Heat-treatment of metals and alloys embraces many processes employing combinations of heating and cooling operations, applied to moulds and dies, tools and machine components so as to produce desired mechanical properties, with specific characteristics related to particular types of ‘in-service’ applications.

The service properties of metal components of machine parts and tools depend to a large extent on the quality of the heat treatments they receive. Progress in this field is determined by the general level of the material science and by success in applied research, by the use of new techniques and by the improvement of existing equipment, and also by the rapid and wide introduction of the achievements of the science and experience in the practical work of heat treatment departments in metal processing enterprises.

The International Federation for Heat Treatment and Surface Engineering (IFHTSE) and Egyptian Heat Treatment Society (EHTS) welcome all engaged in R&D and industrial application of heat treatment and surface engineering of materials to the 1st Mediterranean Conference in Heat Treatment & Surface Engineering, to be held under the title of: “Heat Treatment and Surface Engineering in the Manufacture of Metallic Engineering Components” in the city of Sharm El-Sheikh, Egypt.

Scope

The conference aims to bring together delegates from industry, R&D and universities to discuss and exchange views in the latest developments in heat treatment and surface engineering technologies and processes, with emphasis on their applications in machine components and tools, and related manufacturing industries.

The conference will also aim to promote a multidisciplinary approach, involving all players in the field of heat treatment and surface engineering that is so essential in the exchange of experience, in technology transfer, and in industrial success.

Being the first regional conference and exhibition organized by IFHTSE / EHTS for the Mediterranean countries in the field of heat treatment and surface engineering, it will offer a good opportunity for promoting cooperation and fruitful links amongst universities and research establishments in the region. The equipment and service vendors in the fields of heat treatment, surface engineering and related fields of materials science, materials characterization, materials testing and inspection will also find good marketing opportunities in the accompanying exhibition.
Organization

International Advisory Board

Prof. Derry Doyle (Royal Melbourne Institute of Technology and IFHTSE President) Australia
Prof. Hans-Werner Zoch (IWT Bremen and IFHTSE Vice President) Germany
Prof. Yoshinao Mishima (Tokyo Institute of Technology; IFHTSE President 06-07) Japan
Dr. Zoltán Kolozsváry (Plasmaterm SA; IFHTSE Treasurer; President 98-99) Romania
Mr. Robert Wood (IFHTSE Secretary General)
Dr. Brian Birch (Bodycote plc) UK
Prof. Maurice Grech (MCAST) Malta
Dr. Patrick Jacquot (Bodycote) France
Prof. Božidar Lišić (University of Zagreb; IFHTSE President 04-05) Croatia
Prof. Reinhold Schneider (Upper Austria University of Applied Sciences - Wels) Austria
Dr. Paul Stratton (Linde Gas) UK
Dr. George Totten (Totten Associates; IFHTSE President 02-03) USA
Prof. Xu Kewei (Xi’an Jiao Tong University) China
Prof. Xu Yueming (CHTS) China
Prof. Janez Grum, (Faculty of Mechanical Engineering, Ljubljana Univ.), Slovenia
Eng. Zaki Bassiououny (Chairman of Metallurgical Industries Co.) Egypt
Prof. Mokhtar Soltan (Chairman of Egypt-Japan Steel Works Co.) Egypt

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Prof. Ahmed Salem El-Sabagh, (Ain Shams University), Egypt
Prof. Abdel-Mageed Amer, (El-Azhar University), Egypt
Prof. Raafat El-Kousy, (Cairo University), Egypt
Prof. Ahmed El-Sheikh, (Cairo University), Egypt
Prof. Saied Ezzeldeen Khalil, (TIMS), Egypt
Prof. Mohamed El-Zomor, (TIMS), Egypt
Prof. Mohamed Hussein, (TIMS, EHTS President) Egypt
Prof. Samir Abdel-Hakem, (Suez Canal University), Egypt
Prof. Galal Attia, (Suez Canal University), Egypt
Prof. Ibrahim Hamed, (El-Menia University)
Prof. Iman El Mahallawi, (The British University in Egypt)
Prof. Saher Shawki, (Central Metallurgical R&D Institute, CMRDI), Egypt
Prof. Hoda Nasr el-Deen, (CMRDI), Egypt

Organizing Committee

Prof. Mohamed Khalifa, (Director, TIMS)
Prof. Fathy Toughan, (TIMS, EHTS Treasurer)
Prof. Mamdouh Elissa, (CMRDI)
Eng. Mohamed Saad, (Egyptian Iron and Steel Co.)
Eng. Samir Bakry, (Arabic for Engineering Industries)
Eng. Ahmed Abbas, (Forging Co.)
Mr. Sameh El-Attar, (Welcome Co.)

Dr. Ahmed Doha, (TIMS)
Dr. Ali Khalil, (TIMS)
Dr. Mohamed Abdel-Rahman, (CMRDI)
Dr. Taha Matar, (CMRDI)
Dr. Ahmed Amer, (Arab Aluminum Co.)
Dr. Gamal Megahed, (Ezz Flat Steel Co.)
Dr. Saeed Ghali, (CMRDI)
Dr. Hosam Halfa, (CMRDI)
**Call for Papers**

Participants wishing to make a presentation on the results of their recent research are cordially invited to submit a paper according to the following instructions. Accepted papers will be presented in either oral or poster sessions. Items to be submitted and instructions are as follows;

**1- Abstract**

Deadline: **April 30, 2009**
Submission: Abstract should be sent by e-mail as a PDF attachment to: ehts@ehts-eg.org, m_zomor@hotmail.com, tims@idsc.gov.eg
Format: one-page A4 in English. It should contain the presentation title, names of authors and abstract text (300-400 words), and should use the template shown in website: www.ehts-eg.org. Include the Topics applicable to your abstract from the list below. Also indicate the type of presentation preferred (oral or poster). Please do not include any commercial product names or trade names in the abstract.

**Topics**

- Bulk heat treatment of ferrous and non-ferrous materials
- Thermo-mechanical treatment
- Thermo-chemical treatment
- Surface engineering technologies; theories and applications
- Characterization and testing of coating
- Modeling and simulation for heat treatment and surface engineering
- Post weld heat treatment
- Thermal spraying
- Plasma based processing
- Anodizing
- PVD/CVD
- Energy saving in heat treatment shop
- Reduction of environmental impact

Results of review will be notified via e-mail by May 31, 2009 with the instructions for preparing full papers. Upon acceptance of the abstract, authors are required to register and to present their abstracts at Oral/Poster presentations. Abstracts will be published in the conference abstract book only if presenting author is officially registered with full payment by July 31, 2009.

**2 - Full Paper**

Deadline: **August 31, 2009**
Submission: Only e-mail submission will be accepted.
Format: 10 pages (max.) as a PDF file. Detailed instructions and templates will be available on this website www.ehts-eg.org
For any inquiries about abstract and paper submission, please contact:
EHTS Paper Submission Office
E-mail: ehts@ehts-eg.org
m_zomor@hotmail.com
tims@idsc.gov.eg
Fax: +202 25011439 / +202 25010170 / +202 25010171
(Keynote Lectures and Program (tentative))

Prof. Dr. Derry Doyle (Royal Melbourne Institute of Technology, Australia)  
“New developments in plasma nitriding”

J.W. Bauwman (Ipsen Co.)  
“Hardening of tools, dies and machine parts in vacuum furnace.”

Program outline

<table>
<thead>
<tr>
<th>November 30 (Mon)</th>
<th>December 1 (Tue)</th>
<th>December 2 (Wed)</th>
<th>December 3 (Thu)</th>
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<tbody>
<tr>
<td>Morning (9:00-13:00)</td>
<td>Opening Ceremony</td>
<td>Keynote Lecture</td>
<td>Keynote Lecture</td>
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<td>Lunch</td>
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<tr>
<td>Afternoon (13:00-17:00)</td>
<td>IFHTSE Governing Council Meeting</td>
<td>Keynote Lecture</td>
<td>Keynote Lecture</td>
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<tr>
<td>Registration 17:00 till Wednesday AM</td>
<td>Oral Presentation</td>
<td>Oral Presentation</td>
<td>Oral Presentation Closing</td>
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<tr>
<td>Evening (18:00-21:00)</td>
<td>Welcome Reception</td>
<td>Poster Display and Exhibition</td>
<td>Poster Display and Exhibition</td>
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*Official language is English. *please note that above schedule is subject to change.
Registration and Accommodation

An allotment of rooms has been reserved for conference attendees at: PYRAMISA – SHARM EL SHEIKH HOTEL (5*)

Registration Fees

(including accommodation from 30 Nov. to 3 Dec. 2009 (3 nights) / per person, according to the following):

for Participants from outside Egypt

<table>
<thead>
<tr>
<th>Until July 31, 2009</th>
<th>From August 1st, 2009</th>
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<tbody>
<tr>
<td>Standard Single Room</td>
<td>€ 1000</td>
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<tr>
<td>Standard Double Room</td>
<td>€ 800</td>
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<tr>
<td>Single Superior Room</td>
<td>€ 1100</td>
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<tr>
<td>Suite</td>
<td>€ 1500</td>
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<td>€ 1100</td>
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<td>€ 900</td>
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<td></td>
<td>€ 1200</td>
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<td>€ 1600</td>
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Extra nights before or after the conference period will be charged as:

| Standard Single Room      | € 140 / person / night |
| Standard Double Room      | € 80 / person / night   |
| Single Superior Room      | € 200 / person / night  |
| Suite                     | € 250 / person / night  |

for Egyptians

<table>
<thead>
<tr>
<th>Until July 31, 2009</th>
<th>From August 1st, 2009</th>
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</thead>
<tbody>
<tr>
<td>Single Room</td>
<td>LE 2400</td>
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<tr>
<td>Double Room</td>
<td>LE 1700</td>
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<tr>
<td></td>
<td>LE 2500</td>
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<td>LE 1800</td>
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Accompanying Person(s) are only limited to family members and charged the same rate.

Registration fee for Participants includes:

- Full-board accommodation (all inclusive) for 3 nights (30 Nov. – 3 Dec. 2009).
- Attendance to all the sessions
- Attendance to the exhibition
- Abstract book
- Conference bag with CD-Rom proceedings
- Welcome reception

All Inclusive Formula

- Breakfast + Lunch + dinner Buffets.
- A la carte meals at Asian, Italian and sea food restaurants.
- Unlimited consumption of all local beverages.
- Ice cream, pizza, BBQ and sandwiches corner on the pool and on the beach.

Method of Registration

To apply for early registration, please complete registration by no later than July 31, 2009. Participants are asked to apply using the online registration or fax the registration form to +202 250 11 439 / +202 25010170 / +202 25010171, or mail to: Tabbin Institute for Metallurgical Studies / Egyptian Heat Treatment Society, POB 109 Helwan, Egypt Post Code: 11421
Method of Payment

Payment can be made in European Euro, for foreigners and Egyptian Pounds for Egyptians and can be made in one of the following methods:

- Bank transfer: The National Bank of Egypt – Sarayat El Maadi Branch, Cairo, Egypt to account no:
  - In Euro: 11000014472 – NBEGEGCXA 158.
  - In LE: 01000114418
- Cheque payable to: Egyptian Heat Treatment Society

Confirmation:

Upon receiving your application and payment, the Registration office will send a Confirmation e-mail, bearing your registration number. This confirmation must be retained and present at the registration desk to receive the conference materials.

Cancellation and Refund Policies:

Cancellation shall be possible only if the Registration Office receives written notification to the effect as follows, in which case that registration fees will be refunded after the conference.

Cancellation made until June 30, 2009: Deduction of 5% of the amount paid
Cancellation made until August 31, 2009: 50% of amount paid
Cancellation made from Nov. 1st, 2009: No refund
- Bank handling charges will be deducted from the refund
- All refunds will be made after the Conference.

Exhibition

There will be a commercial exhibition in conjunction with the conference at the venue from 1-3 December, 2009. We welcome all kind of exhibition material from interested companies and institutions in this area. This exhibition will provide you with a powerful and meaningful communication tool for your company, products and services in the Mediterranean and Middle East region.

- Space area (1 table and 2 chairs): D 3 m x W 2 m, at a rate of:
  - LE 500 / m² for Egyptian Companies
  - 300 / m² for Non-Egyptian Companies
  (Minimum area: 6 m²)
- Accommodation for exhibition accompanying persons is charged as regular registration fees.

Please contact the following address for further details concerning registration or exhibition:
Conference Organizing Co, Worldwide Conference & Incentive Organization, Travel Services, (Welcome)
Phone: +202 240 362 84
Fax: +202 226 115 36
E-mail: reservation@welcometravelconf.com
or
Registration Office of the Conference
Phone: 202 2501 0172
Fax: 202 2501 1493
E-mail: ehfs@ehfse.org
Or m_zomor@hotmail.com
tims@idsc.gov.eg
Conference Venue

The conference will be held in Sharm El-Sheikh city, located at the southern tip of the Sinai Peninsula, just on the edge of Sinai Desert on the Red Sea. The Sinai Peninsula is a vast area of unspoiled beauty. The excellent quality of the water, the magnificent underwater world and the impressive panorama of the Sinai Mountains, all promise an unforgettable experience.

Climate

The temperature of the Red Sea in this region ranges from 21 to 28 degree Celsius (70 – 80 °F) over the course of the year.

How to get to Sharm El – Sheikh

Directly to Sharm el-Sheikh International airport by charter airline flights, then by Taxi to Pyramisa Sharm El-Sheikh Hotel (4 Km from airport). To Cairo airport before 30 Nov. 2009, then travel by bus with the Conference group from Cairo on 30 Nov. 2009, 8 am. If required, a room can be reserved through Conference organizing office in Pyramisa Hotel, Cairo.

Pyramisa Sharm El-Sheikh Hotel (5*)

Is ideally located on the exotic sandy beach of Sharks Bay at the Red Sea, the famous snorkeling and diving spot and a part of Ras Mohamed National Park. Pyramisa Sharm El-sheikh hotel is 4 km from the airport of Sharm El Sheikh in the Red Sea and 7 km from downtown Naema Bay.