FOURTH INTERNATIONAL SYMPOSIUM ON
Recycling of Metals and Engineered Materials

In conjunction with
LEAD-ZINC 2000 SYMPOSIUM

October 22-25, 2000
Pittsburgh Hilton Hotel
Pittsburgh, Pennsylvania, USA

Final Circular with Registration & Housing Forms Enclosed

Recycling has become increasingly important to society and industry as the earth’s rapidly increasing population places ever more strain on our planet’s ability to provide resources and a safe environment for mankind to improve our global standard of living. Technologies for recycling of metals and engineered materials are rapidly improving, and significant progress has been made in the fifteen (15) years since the first symposia of this series was held. The Fourth International Recycling Symposium will continue the highly successful tradition established by the three earlier TMS recycling meetings in bringing together participants to discuss the fundamental and practical aspects of recycling of metals and engineered materials. The emphasis at this meeting, as at the previous meetings, is on the commercial application of technologies for recycling. The symposia is organized under the auspices of TMS’ Recycling Committee.

The Pittsburgh Hilton will provide an ideal location for the combined conference, with its exceptional meeting space and its superior location, directly across from Point State Park and historic Fort Pitt.

All papers presented at the Fourth International Symposium on Recycling of Metals and Engineered Materials and the Lead-Zinc 2000 Symposium will be printed in their separate proceeding volumes.

One copy of your choice of either the proceedings of the Fourth International Symposium on Recycling of Metals and Engineered Materials or the Lead-Zinc 2000 Symposium is complimentary with a paid full registration. A paid student registration fee does not include a copy of the proceedings. Additional copies of either symposium may be purchased at $75.00 per book. Please refer to the registration form in this mailer.

For more information or to reserve space for the event, contact:
Cindy A. Wilson
Sales Coordinator
TMS
184 Thorn Hill Road
Warrendale PA 15086
Telephone: 724/776-9000, ext 231
Fax: 724/776-3770
Email: wilson@tms.org


All attendees to the Fourth International Symposium on Recycling of Metals and Engineered Materials and the Lead-Zinc 2000 Symposium, including authors and session chairs, are required to register. To register, complete the Advance Registration form in this mailer and return by September 25, 2000 to:
TMS
Customer Service Department
184 Thorn Hill Road, Warrendale, PA 15086, USA
Phone: 724-776-9000, ext. 243; Fax: 724-776-3770
E-mail: mtgserv@tms.org

You may now register any time of the day or night via the Fourth International Recycling Symposium homepage on the World Wide Web at http://www.tms.org/Meetings/Specialty/FallExt2000/FallExt2000.html. TMS OnLine also provides detailed information on this and all TMS-sponsored conferences.
General Chairs

For More Information on the Fourth International Recycling Symposium, Please Contact:

Donald L. Stewart Jr.
ALCOA, Inc.
Alcoa Technical Center, 100 Technical Drive
Alcoa Center, PA 15069-0001, USA
Phone: 724-337-5764
Fax: 724-337-4063
E-mail: donald.stewart@alcoa.com

Robert L. Stephens
Cominco Research
PO Box 2000
Trail, B.C., Canada V1R 4S4
Phone: 250-364-4295
Fax: 250-364-4400
E-mail: rob.stephens@trail.cominco.com

James C. Daley
Daley & Associates
1020 W. Cactus Wren Drive
Phoenix, AZ 85021, USA
Phone: 602-678-1616
Fax: 602-678-1661
E-mail: daleyjim@aol.com

The Magestic River Boat
cruising on one of Pittsburgh’s three rivers, the Monongahela River.

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Full payment in US dollars must accompany the completed Advance Registration form. Register by September 25, 2000 to receive the Advance Registration discount.

Onsite conference registration hours:
Sunday, October 22, 2000 ...................... 12:00 noon–6:00 pm
Monday, October 23, 2000 ...................... 7:00 am–5:00 pm
Tuesday, October 24, 2000 ...................... 7:00 am–5:00 pm
Wednesday, October 25, 2000 ................ 7:00 am–10:00 am

Badges must be worn to gain access to the technical sessions and social functions.

The full conference registration fee includes the welcoming reception, coffee breaks, luncheon, banquet, one copy of the proceedings and access to all technical sessions.

The student registration fee includes the welcoming reception, coffee breaks and access to all technical sessions.

REFUND POLICY:
Written requests must be sent to TMS Meeting Services, 184 Thorn Hill Road, Warrendale, PA 15086, and USA. No refunds will be issued after September 25, 2000. A $50 processing fee will be charged on all cancellations.

ACCOMMODATION:
The headquarters hotel and site for the Fourth International Recycling Symposium and the Lead-Zinc 2000 Symposium is the Pittsburgh Hilton Hotel in Pittsburgh, Pennsylvania, USA. The 713-room hotel, which is located adjacent to Point State Park, is also within walking distance of the culture/theater district, fine dining and shopping.

An important aspect of the conference is the opportunity to network with your peers from all over the globe. The hotel lends itself well for impromptu meetings in the Promenade Restaurant, the Sports Pub or the Cappuccino/Espresso Lounge.

Participants should mail or fax their conference housing form as early as possible to the Pittsburgh Hilton Hotel. The housing cut-off is September 25, 2000. After September 25, 2000, the conference rate and rooms at the Pittsburgh Hilton Hotel may not be available.

Fax or mail your housing reservation form to:

Hilton Worldwide Reservations
PO Box 2039
Homboldt Industrial Park
Maplewood Drive, Hazelton, PA 18201, USA
Fax: 570-450-1583
ORGANIZING COMMITTEE

Aluminum Scrap
    Ray D. Peterson, IMCO Recycling, Inc.
    Jan H. van Linden, Recycling Technology Services

Aluminum Dross
    Han Spoel, Spalco Metals Inc.
    Annette Revet, Kallium Chemicals, Ltd.

Aluminum By-Products
    John N. Hryn, Argonne National Laboratory
    John W. Pickens, Alumitech Inc.

Automotive
    Edward J. Daniels, Argonne National Laboratory

Magnesium & Titanium
    Robert E. Brown, Magnesium Monthly Review

EAF Dust
    A. D. Zunkel, A. D. Zunkel Consultants Inc.
    Russ Bleakney, Inmetco

Secondary Zinc
    Larry L. Parkinson, Interamerican Zinc, Inc.
    Steve E. James, Big River Zinc Corp.

Secondary Lead
    Rick Leiby, East Penn Manufacturing Co.
    Andreas Siegmund, RSR Technologies Inc.

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    Kunibert Hanusch, Huettenwerke Kayser
    Larry M. Southwick, L.M. Southwick & Associates

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Refractory
    Charles E. Semler, Semler Material Services
    Jeff Gorss, Alcoa

Electronics/Plating
    Paul B. Queneau, P.B. Queneau & Associates
    Lee Wilmot, HADCO Corp.

LETTERS OF INVITATION:
The Fourth International Symposium on Recycling of Metals and Engineered Materials and the Lead-Zinc 2000 Symposium Organizing Committees will issue letters of invitation to individuals requiring such a document. Such letters, however, do not commit the Fourth International Symposium on Recycling of Metals and Engineered Materials and the Lead-Zinc 2000 Symposium Organizing Committees to providing financial support. Fax, E-mail or mail your request for a letter of invitation to:

Michael Packard, Manager of Meeting Services
TMS
184 Thorn Hill Road
Warrendale, PA 15086, USA
Fax: 724-776-3770
E-mail: packard@tms.org

POLICY ON AUDIO/VIDEO RECORDING OF TECHNICAL PAPER PRESENTATION/SESSIONS:
The Minerals, Metals and Materials Society (TMS) reserves the right to any audio and video reproduction of all presentations at every TMS sponsored meeting. Recording of sessions (audio, video, still photography, etc.) intended for personal use, distribution or copyright without the express written consent of TMS and the individual authors is strictly prohibited. Contact the TMS Programming Department at 724-776-9000, ext. 227 in advance to obtain a copy of the waiver.

AMERICANS WITH DISABILITY ACT:
TMS strongly supports the Federal Americans with Disabilities Act (ADA) which prohibits discrimination against, and promotes public accessibility for those with disabilities. In support of this act, we ask that those attendees requiring specific equipment or services contact the TMS Meeting Services Department to advise specific needs in advance.
Advance Registration Deadline: September 25, 2000 PAYMENT MUST ACCOMPANY FORM. Forms received past this date will be processed at the on-site fee structure. Instructions: Check your selections and fill in the necessary information.

Registration Fees

<table>
<thead>
<tr>
<th>Advance fees to Sept. 25</th>
<th>On-Site fees after Sept. 25</th>
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<tbody>
<tr>
<td>Full Conference*</td>
<td>$475</td>
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<tr>
<td>Full Conference*</td>
<td>$550</td>
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*Includes Technical Sessions, Welcoming Reception, Luncheon, Banquet and one copy of the Proceedings of your choice.

Student** $150 $200

(Students must attach a copy of their school’s identification card.)

**Includes Technical Sessions and Welcoming Reception. Tickets may be purchased for the luncheon and banquet.

One Proceedings is included in the full conference registration fee, please mark which symposium Proceedings you prefer.

Additional Proceedings may be purchased for $75.00 per Proceedings.

<table>
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<th>Additional Proceedings</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Recycling of Metals</td>
<td>$75.00</td>
<td>______</td>
<td>$______</td>
</tr>
<tr>
<td>Lead-Zinc 2000</td>
<td>$75.00</td>
<td>______</td>
<td>$______</td>
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Shipping

<table>
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<th>Number</th>
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<tr>
<td>Add $10 per copy for U.S. shipping.</td>
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<tr>
<td>Add $20 per copy for international shipping.</td>
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Additional Social Function Tickets:

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<tbody>
<tr>
<td>Welcoming Reception</td>
<td>$25</td>
</tr>
<tr>
<td>Conference Luncheon</td>
<td>$35</td>
</tr>
<tr>
<td>Banquet</td>
<td>$50</td>
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</tbody>
</table>

Dietary Restrictions:

- Vegetarian (V)  
- Kosher (K)

TOTAL FEES: $______

Payment Options

- Check payable to TMS. Payment should be made in US dollars drawn on a US bank or via the following:

  - VISA  
  - MasterCard  
  - Diners Club  
  - American Express

Card Number ____________________________

Expiration Date ___________________

Cardholder Name (print) ________________________

Signature _________________________

Refund policy:

Written requests must arrive at TMS no later than September 25, 2000. A $50 processing fee will be charged for all registration cancellations.
The Lead-Zinc 2000 Symposium &
The Fourth International Symposium on Recycling of Metals and Engineered Materials

PLEASE COMPLETE THE HOUSING FORM BELOW AND RETURN TO:
Hilton Worldwide Reservations
PO Box 2039
Homboldt Industrial Park
Maplewood Drive
Hazelton, PA 18201, USA
Fax: 570-450-1583

I Plan to Arrive: __________________ Date __________________
I Plan to Depart: __________________ Date __________________

Please Check:

☐ Main Hotel Single/Double - $144
☐ Towers Single - $179
☐ Towers Double - $204

Room Tax - 14%

A $50 early departure fee will be assessed should you change your departure date AFTER you have checked in.

ALL RESERVATION REQUESTS MUST BE GUARANTEED BY THE FIRST NIGHT’S ROOM AND TAX BY PERSONAL CHECK OR CREDIT CARD. CANCELLATIONS MUST BE MADE SEVENTY-TWO (72) HOURS PRIOR TO ARRIVAL TO AVOID FIRST NIGHT’S BILLING. CREDIT CARDS WILL AUTOMATICALLY BE CHARGED.

All reservations must be received by: Sunday, October 1, 2000
Requests prior to and after convention dates will be accepted on a space available basis only. Convention rate applies three days prior and three days following official meeting date. (One card per room)

Name: _______________________________ Payment Enclosed: CHECK CREDIT CARD
Company: ____________________________ Card No: ____________________________
Address: _____________________________ Expiration Date: ______________________
City: ________________________________       VISA       MASTERCARD       AMERICAN EXPRESS
State: _____________  Zip: ______________
Country: _____________________________ Signature: __________________________
Telephone: ___________________________ Fax: _____________________________
Smoking _____________________________ Non-Smoking ________________________
Specific Requests: _____________________________________________________________
   (Requests Subject to Availability)
ADA Specific Requirements: ______________________________________________________

PLEASE NOTE: CHECK-IN TIME IS 3:00PM • CHECK-OUT TIME IS 12 NOON
SPACE RESERVATION APPLICATION
Fourth International Symposium on Recycling of Metals and Engineered Materials
October 22-25, 2000
Pittsburgh Hilton Hotel & Towers
Pittsburgh, Pennsylvania

*TMS is hereby authorized to reserve a table top exhibit space for our company in the Fourth International Symposium on Recycling of Metals and Engineered Materials Exhibition.*

It is understood that the Exhibition management will process our options and forward the space assignment in the form of a contract and invoice for the balance due. The contract must be exercised and returned promptly with payment for the exhibit space.

Please complete the following information:

Correspond with: ___________________________________________ Title: ___________________________________________

Company Name: ___________________________________________

Address: ___________________________________________

City_________________________________________ State/Province________ Zip/Postal Code________ Country

Telephone: ___________________________________________ Fax: ___________________________________________

E-Mail Address: ___________________________________________

Product or Services to be displayed: ___________________________________________

PAYMENT OPTIONS

A deposit of $250.00 is required for processing

☐ Make checks payable to TMS. Payment should be made in US dollars drawn on a US bank or via the following:

☐ VISA

☐ MasterCard

☐ American Express

☐ Diner’s Club

Card No. ____________________________ Exp. ____________________________
Cardholder Name: ___________________________________________
Signature: ___________________________________________

Please return this form no later than September 1, 2000 to:

TMS Marketing Services
184 Thorn Hill Road
Warrendale, PA 15086
Telephone: 724-776-9000, ext. 231
Fax: 724-776-3770
E-mail: wilson@tms.org
**U.S. AirWAYS**


**Special Airfare:**
US Airways has been designated as the official carrier for the attendees of the TMS Fourth International Symposium on Recycling of Metals and Engineered Materials and the Lead-Zinc 2000 Symposium, October 22-25, 2000, Pittsburgh, Pennsylvania, USA and agrees to offer exclusive low fares for the attendees.

This special fare will offer a 5% discount off First or Envoy Class and any published US Airways promotional round trip fare. A 10% discount off unrestricted coach fares will apply with seven-day advance reservation and ticketing required. Plan ahead and receive an additional discount by ticketing 60 days or more prior to departure. These discounts are valid provided all rules and restrictions are met and are applicable for travel from all points on US Airways route system. The above discounts are not combinable with other discounts or promotions, and are valid October 19-28, 2000. Additional restrictions may apply on international travel.

To obtain these discounts, you or your professional travel consultant must call US Airways’ Meeting and Convention Reservation Office at 877-874-7687; 8:00 AM – 9:30 PM, Eastern Time.

**REFER TO GOLD FILE NUMBER 22631205**

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**HERTZ RENT-A-CAR SYSTEM:**

Hertz has been selected as the official car rental company for Fourth International Symposium on Recycling of Metals and Engineered Materials and the Lead-Zinc 2000 Symposium, October 22-25, 2000, Pittsburgh, Pennsylvania, USA.

Special rates, with free unlimited mileage, are guaranteed one week before, through one week after, the actual meeting dates and are subject to car availability. Rates are available from all Pittsburgh locations.

Advance reservations may be made by calling the Hertz Reservations number (US: 1-800-654-2240; Canada: 1-800-263-0600; International: contact your local Hertz reservation center) and identify yourself as an attendee of the Lead-Zinc 2000 Symposium and the Recycling of Metals and Engineered Materials Symposium and reference the CV number which follows:

**You must give the reservations agent the Hertz CV #010P0003**

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“A Grand View” from atop of Mt. Washington overlooking Point State Park and the city of Pittsburgh, better known as the Golden Triangle.