History and Scope of the Conference

In 2002, the First Conference High Tech Die Casting (HTDC) took place in Vicenza, Italy, with a real success: about 150 delegates, 32 scientific and technical papers from 9 countries, 5 technical sessions. The success was replicated by the HTDC 2004, organised during the METEF Exhibition, in Brescia, Italy: almost 200 delegates, 62 scientific and technical papers from 16 countries, 9 technical sessions. Now, HTDC wants to improve, and to be become one of the most outstanding International Die Casting events. The third HTDC Conference is being organised by the Italian Association of Metallurgy (AIM), and will be held once again in Vicenza, in September 2006.

The Scientific Committee represents the most important International Technical Associations involved in Die Casting and related technologies. Once again HTDC intends, to be an exhaustive Conference about scientific, technical and management innovations in the field of Die Casting (including gravity, low and high pressure technologies). The aim of the Conference is to offer an overview of all the scientific and technological innovations in the field of Die Casting, with papers and contributions from a highly qualified panel of experts, both academic and industrial.
Scientific Committee

D. Apelian • Worcester Polytechnic Institute, USA
L. Arnberg • University of Trondheim, NTNU, Norway
F. Bonollo • Università di Padova, sede di Vicenza, Italy
M. Conserva • Edimet, Italy
A. Ferrero • Teksid Aluminum, Italy
G.L. Garagnani • Università di Ferrara, Italy
E. Garibaldi • Politecnico di Milano, Italy
M. Gasik • Helsinki University of Technology, Finland
A. Ghilarducci • Centro Atómico Bariloche, Argentina
J. Goñi • INASMET, Spain
L.F. Hansen • 4C-Technologies, Denmark
F. Iacoviello • Università di Cassino, Italy
P. Kapranos • The University of Sheffield, UK
M. Kiuchi • Japan Society for Technology of Plasticity, Japan
W. Kurz • Swiss Federal Institute of Technology, Switzerland
A. Mo • Sintef, Norway
B. Molinas • Venezia Tecnologie, Italy
C. Mus • Associazione Italiana di Metallurgia, Italy
M. Rappaz • Swiss Federal Institute of Technology, Switzerland
M. H. Robert • Universidade Estadual de Campinas, Brasil
R. Roberti • Università degli Studi di Brescia, Italy
D. Rollez • Umicore Zinc Alloying, Belgium
M. Rosso • Politecnico di Torino, Italy
M. Suery • Genie Physique et Mechanique des Materiaux, France
I.L. Svensson • Jönköping University, Sweden
A. Tiziani • Università di Padova, sede di Vicenza, Italy
M. Vedani • Politecnico di Milano, Italy
H. Westengen • Norsk Hydro, Norway

Local Organizing Committee

A. Tiziani • Università di Padova, sede di Vicenza
F. Bonollo • Università di Padova, sede di Vicenza
F. Bassani • Associazione Italiana di Metallurgia
P. Ferro • Università di Padova, sede di Vicenza
I. Magnabosco • Università di Padova, sede di Vicenza
G. Timelli • Università di Padova, sede di Vicenza
Thursday 21 September 2006 · morning at the Teatro Olimpico

9.30 Welcome addresses by:
Walter Nicodemi, AIM President
Alberto Tiziani, DTG Director

10.00 Vittoriano Wagner Award for thesis on Aluminium Alloys

10.15 Palladio and his “Teatro Olimpico”
OPENING LECTURES
Chairman: F. Bonollo – Università di Padova DTG

10.30 Pressure assisted processes for high integrity automotive
Aluminum castings - part I: principles and fundamentals
D. Apelian - WPI, Worcester, USA
J.L. Jorstad - JLJ Technologies, Richmond, USA

Pressure assisted processes for high integrity automotive
Aluminum castings - part II: recent developments and innovations
D. Apelian - WPI, Worcester, USA
J.L. Jorstad - JLJ Technologies, Richmond, USA

New directions in semi-solid metal processing (SSMP)
P. Kapranos - The University of Sheffield, United Kingdom

12.00 Welcome Buffet
Thursday 21 September 2006 · afternoon

INNOVATION IN LIGHT ALLOYS
Chairman: L. Arnberg - University of Trondheim, NTNU

14.00 Silafont-36, the low iron ductile die casting alloy.
Development and applications
F. Casarotto, A. Zovi - Aluminium Rheinfelden GmbH, Germany

14.25 Characterization of a new aluminum alloy containing Ag for semi-solid
applications
A. Pola, R. Roberti, E. Bertoli - Università di Brescia, Italy

14.50 Low iron content, a way to improve the ductility of die cast, gravity cast
Al-Si foundry alloys
A.L. Dons, O. Nielsen - Sintef, Trondheim, Norway · J.O. Loland · Alcoa
V. Ranum, J. Voje - Elkem · A. Prestmo · Fundo
H.I. Laukli - Hydro Aluminium, Sundalsora, Norway

15.15 Variations in microstructure and mechanical properties of cast
aluminium en Al 43100 alloy
S. Seifeddine, T. Sjögren, I.L. Svensson - Jönköping University, Sweden

15.50 Processing effects on the morphology of semi-solid Mg alloy slurry
produced by the RSF process
H. Cao, M. Wessén, O. Granath - Jönköping University, Sweden

16.15 Coffee break
MICROSTRUCTURAL MODELLING
Chairman: I. Svensson - Jönköping University

16.30 Modeling the deformation behaviour of hypoeutectic Al-Si die-castings
H.I. Laukli - Hydro Aluminium, Sundalsora, Norway
C. Dorum - Sintef Materials and Chemistry, Trondheim, Norway

16.55 Numerical study of air entrapment mechanisms during the filling
of a rectangular plate cavity in high-pressure die-casting processes
J.J. Hernández-Ortega, J. López, R. Zamora, J. Hernández, F. Faura - UPCT, Cartagena, Spain

17.20 Casting simulation for seal part and mechanical properties. How
eliminate shrinkage porosity in HPDC, low pressure and gravity processes
L. Valente - Ecotre, Brescia

17.45 Modelling defect band formation in Al-Si die-castings
M. M’Hamdi, A. Mo - Sintef, Oslo, Norway
H.I. Laukli - Hydro Aluminium, Sundalsora, Norway

18.10 Effect of different parameters on the fluidity of high fluid Al-Si alloys in casting
of a large thin cast using low pressure permanent mould (LPPM) casting
S.M. Miresmaeili, M. Doroudian Rad - Rajaei University, Tehran, Iran

19.30 Conference Dinner
Thursday 21 September 2006 · afternoon

STEEL FOR DIES
Chairman: M. Rosso - Politecnico di Torino

14.00 Improved properties of die casting die steels by advanced production technology
K-D. Fuchs - Edelstahl-Witten-Krefeld GmbH, Germany

14.25 Böhler qualified heat treatment shops. A contribution to consistency of service
G. Derdua - Böhler Edelstahl GmbH, Kapfenberg, Austria
A. Rivolta, C. Patriarchi - Böhler Uddeholm Italia, Milano, Italy

14.50 The steelmaker's contribution to an extended lifetime of die casting dies
I. Schruff - Kind & Co. Edelstahlwerk, Wiehl, Germany

15.15 Advances in PVD protection of die casting tools
D. Ugues, E. Torres, M. Perucca, M. Rosso - Politecnico di Torino, Italy

15.50 Advances in steel for diecasting dies
Author to be defined - Aubert & Duval

16.15 Coffee break

TECHNOLOGIES FOR THE PROCESS
Chairman: M. Vedani - Politecnico di Milano

16.30 Alspek H: a novel analyser for hydrogen determination in aluminium melts
A.W. Moores - Foseco, Tamworth, United Kingdom
G. Muneratti - Foseco, Vermezzo, Italy

16.55 New technology for restoring shot sleeve for die casting with the preservation of original internal hole (RIT repair and improve technical)
P. Miglierina - Omnia Tecnico, Gallarate, Italy
L. Weier - Weier Verbindungstechnik, Lennestadt, Germany

17.20 A new method for monitoring degassing processes
J.W. Evans - University of California, Berkeley, USA
P. Marcolongo - Università di Padova DTG, Vicenza, Italy

17.45 The high tech diecasting process needs high trim technology
R. Pederzoli - Meccanica Pi. Erre - Unimec, Bedizzole, Italy

18.00 Process simulation: a tool for designing and building high tech dies
R. Martina - Universal Stampi - Unimec, Bedizzole, Italy

19.30 Conference Dinner

Friday 22 September 2006 · morning

SEMI-SOLID PROCESSING
Chairman: R. Roberti - Università di Brescia

9.00 Case studies of productivity and quality improvement in high integrity castings using SSR™ technology
R. Boni - Idra Casting Machines, Brescia, Italy

9.25 The RSF technology - A possible breakthrough for semi-solid casting processes
M. Wessén, H. Cao - Jönköping University, Sweden

9.50 Development of rheo-diecasting (RDC) process for production of high integrity components
Z. Fan - Brunel University, Uxbridge, United Kingdom

10.15 Liquid state forging: novel potentiality to produce high performance components
M. Rosso, A. Zago - Politecnico di Torino, Italy
P. Claus - Tecnopres, Chieri, Italy
G. Tonno - Font, Grugliasco, Italy

10.40 The continuous rheoconversion process (CRP): optimization & industrial applications
Q.Y. Pan, D. Apelian, P. Hogan - WPI, Worcester, USA

11.05 Coffee break

MODELLING FOR DESIGN
Chairman: A. Mo - Sintef, Oslo

11.20 Salsa 3D - A new HPDC gating design concept
G. Ogier, J.W. Julien, P. Hairy - CTIF, Sèvres, France

11.45 Design a die cast model through defective prediction method
Ng C. Huat - Kolej Universiti Teknologi Tun Hussein Onn, Malaysia
K-H. Grote - Otto-von-Guericke University, Magdeburg, Germany

12.10 Analysis of a non-symmetric low pressure die casting part via thermo-fluid dynamic simulation and experimental trials
W. Fragner, H. Kaufmann - ARC Leichtmetall-Kompetenzzentrum Ranshofen GmbH, Austria
A. Pola, R. Roberti - Università di Brescia, Italy

12.35 Advanced casting simulations
M. Aloe - Calcom ESI, Losanna, Switzerland

13.00 Lunch
Friday 22 September 2006 · morning

INNOVATING THE DIECASTING PROCESS
Chairman: C. Mus · Associazione Italiana di Metallurgia

9.00 Die castings with hollow structures using gas injection
L.H. Kallien · University of Applied Sciences, Aalen, Germany

9.25 Temperature interval determination of the performed local squeezing casting process on the AISi10Mg alloy castings
Z. Zovko Brodarac · University of Zagreb, Sisak, Republic of Croatia
P. Mrvar · J. Medved · University of Ljubljana, Republic of Slovenia

9.50 Warm up lube system (WULS). Relation between a new approach to lubrication during start-up phases and the thermal shock on the die surface and scrap reduction
B. Molinas, D. Giantin · Venezia Tecnologie, Italy
C. Raone, L. Baraldi · Baraldi Lubrificanti, Italy
R. Boni · Idra Casting Machine, Italy

10.15 Increased process stability in die casting
M. Callegari · Bühler Druckguss AG, Uzwil, Switzerland

10.40 Diecasting production monitoring and data processing by modeFRONTIER tool
N. Gramegna · EnginSoft, Padova, Italy

11.00 Coffee break

CHARACTERISATION OF DIECAST ALLOYS
Chairman: G.L. Garagnani · Università di Ferrara

11.20 Quality mapping of aluminium alloy diecastings
G. Timelli, F. Bonollo · Università di Padova DTG, Vicenza, Italy

11.45 The use of grain structure to proof creep deformation in zinc die casting alloys
R. Roberti, A. Pola · Università di Brescia, Italy
M. Gilles, D. Rollez · Umicore Zinc

12.10 Influence of microstructure and casting parameters on the impact strength of low-pressure A-356 aluminium alloy for car wheels
M. Merlin, F. Piasentini, G.L. Garagnani · Università di Ferrara, Italy
G. Timelli, F. Bonollo · Università di Padova, Vicenza

12.35 Effect of silicon particles and roughness on the surface treatments of cast aluminium alloys
S. Ferlini, E. Ferri · Cermet Progetto CALL, Cadriano di Granarolo, Italy
A. Morri · Università di Bologna, Italy
M. Merlin · Università di Ferrara, Italy
G. Giacomozzi · Varvel, Crespellano, Italy

13.00 Lunch
Friday 22 September 2006 · afternoon

HEAT TREATMENT OF CASTINGS
Chairman: E. Gariboldi – Politecnico di Milano

14.30 319 aluminium alloy fatigue behaviour: influence of DAS, defects and heat treatment
S. Guelfo, M. Rosso – Politecnico di Torino, Italy
A. Ferrero, M. Albertinazzi – Teksid Aluminum, Carmagnola, Italy

14.55 Modelling heat treatment of aluminium alloy castings
F. Bonollo, F. Grosselle – Università di Padova DTG, Vicenza, Italy
N. Gramegna – Enginsoft, Padova, Italy

- Prototyping in lost wax for zinc die casting
  A. Pola, R. Roberti – Università di Brescia, Italy
  C. Viscardi – Brescia

- Fluidity evaluation methods for Al-Si alloys
  M. Di Sabatino, L. Arnberg – University of Trondheim, NTNU, Norway
  D. Apelian – WPI, Worcester, USA
  S. Brusethaug

- A study on the effect of riser design on the casting
  M. Ibrahim, B.A. Iskander, M. Mohie – Cairo, Egypt

- A study on the modification of Al-Si alloys
  A. Manente – SAV, Italy
  F. Bonollo – Università di Padova DTG, Vicenza, Italy

- Measurements and modelling of feeding and porosity in a laboratory-scale low-pressure die-casting feeding test
  F. Syvertsen, A. Nordmark, O. Nielsen, M. M’Hamdi – Sintef Materials and Chemistry, Oslo, Norway

- SEM and TEM investigations of AJ62 die casting magnesium alloy
  A. Kielbus – Silesian University of Technology, Katowice, Poland

- Microstructure of AE44 die casting magnesium alloy
  A. Kielbus, T. Rzychon, R. Cibis – Silesian University of Technology, Katowice, Poland

- Energy absorption of HPDC aluminium and magnesium alloys
  M.C. Srivastava, O. Lohné, L. Arnberg – University of Trondheim, NTNU, Norway
  H. Gjestland – Hydro Aluminium Research Centre, Porsgrunn, Norway
  H.I. Laukli – Hydro Aluminium, Sunndalsora, Norway

- Use of simulation to predict microstructure and mechanical properties in an As-Cast aluminium cylinder head – comparison with experiments
  S. Seifeddine, M. Wessén, I.L. Svensson – Jönköping University, Sweden

- Influence of holding time on particle size of an A356 alloy using the new rapid slurry forming process
  O. Granath, H. Cao, M. Wessén – Jönköping University, Sweden

- Effect of squeeze casting pressure on theoretical density of Al-Si alloy during squeeze casting
  A. Moosa, N. Salman Abtan – The University of Technology, Baghdad, Iraq
  K. Al-Douse – Baghdad University, Iraq

- Erosion-protective coating of die steel with Ti/N compositionally gradient film by reactive DC sputtering
  T. Sonoda, A. Watazu, K. Katou, T. Asahina – National Institute of A.I.S.T., Nagoya, Japan
Case study on influence of the thermoregulation on zama die casting
S. Guelfo, M. Rosso · Politecnico di Torino, Italy

Technical and economical benchmark of permanent mould casting process
I. Magnabosco, F. Bonollo, S. Antonioni, D. Trabucco, A. Molinari · Università di Padova, Vicenza

Microstructural, texture and residual stress investigations on a twin roll cast AZ31 magnesium alloy
A. Zambon · Università di Padova, Italy
P. Ferro · Università di Padova DTG, Vicenza, Italy

The quality of diecast products: activities for the development of a normative
M. Rosso · Politecnico di Torino, Italy
F. Bonollo · Università di Padova DTG, Vicenza, Italy

Defects classification in diecastings: preliminary work in view of a normative
E. Gariboldi · Politecnico di Milano, Italy
M. Rosso · Politecnico di Torino, Italy
F. Bonollo · Università di Padova DTG, Vicenza, Italy

Metallurgical training on line: the METRO Project
F. Bonollo · Università di Padova DTG, Vicenza, Italy

The NADIA Project: new automotive components designed for and manufactured by intelligent casting of light alloys
S. Odorizzi · Enginsoft, Trento, Italy

The CALL Project: a new opportunity in the field of aluminium alloys
E. Costa · Cermet, Cadrano di Granaoro, Italy

Permanent mold casting of aluminium alloys: correlation among processing, microstructure and simulation
F. Bonollo · Università di Padova DTG, Vicenza, Italy
N. Gramigna · Enginsoft, Padova, Italy
B. Molinas · Venezia Tecnologie, Italy

A trans-national cooperation to strengthen the knowledge in diecastings
D. Apelian · WPI, Worcester, USA
A. Franke · Aluminium Rheinfelden, Germany
F. Bonollo · Università di Padova DTG, Vicenza, Italy

Conference Secretariat
AIM - Associazione Italiana di Metallurgia
Piazzale Rodolfo Morandi, 2
I - 20121 Milano Italy.
Tel +39 02 76397770 · +39 02 76021132
Fax +39 02 76020551
E-mail: aim@aimnet.it

Conference Venue
The Conference will be held at Università di Padova, Department of Vicenza, Stradella S. Nicola 3, Vicenza. The opening ceremony will be held in the morning of 21 September at Teatro Olimpico, Contrà San Pietro 67, Vicenza.

Language
English will be the Conference language. Simultaneous translation (English-Italian and Italian-English) will be provided.

Publication of Proceedings
The full texts of all papers will be published on the Cd-Rom proceedings and issued with the abstracts’ volume to delegates on arrival at the Conference.

Registration Information
Rates
AIM Members
Delegates
EURO 290 (Revenue Stamp included)
Speakers/Chairmen of session
EURO 240 (Revenue Stamp included)
AIM No Members
Delegates
EURO 390 (Revenue Stamp included)
Speakers/Chairmen of session
EURO 340 (Revenue Stamp included)
Student* EURO 150 (Revenue Stamp included)
Accompanying persons
EURO 108 (VAT included)
Conference dinner, welcome buffet).
AIM Junior Members will be admitted free of charge. AIM Junior membership amounts to € 15 (valid until 31 December 2006)

*Students will have to provide valid proof of student status. Standard Student rate entrance to technical sessions and poster sessions, Conference bag includes with a copy of the Conference proceedings, coffee breaks and welcome buffet.

After 1 September the above rates will be subject to an extra charge of € 50.

Registration rates include entrance to technical sessions and poster sessions, Conference bag with a copy of the Conference proceedings, coffee breaks, welcome buffet and Conference dinner. Cumulative registrations for over 3 delegates from the same company will be entitled to a discount of 15% of the total amount. For non-members the fee includes AIM Membership for the last 4 months of 2006 and for the year 2007.

Payment and remittance
- by non-transferable bank draft or cheque, negotiable in Italy, to the order of Associazione Italiana di Metallurgia · AIM
- by bank transfer, to the order of Associazione Italiana di Metallurgia · AIM at “Banca Popolare Commercio e Industria”, Branch no. 2 · Milano, account no. 000000022325 · cod. ABI 05048 · CAB 01602 · cin L, IBAN: IT92L0504801602000000022325, swift code POCIITM1002. The transfer order must specify the name of the delegate and the reference “HTDC 2006”. A copy of the transfer order must be sent to AIM, together with the Registration Form.
- by credit card Visa, American Express, Diners cards, Carta Si, and cash at the registration desk in Vicenza ONLY FOR DELEGATES.

General Information

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GENERAL INFORMATION

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- by bank transfer, to the order of Associazione Italiana di Metallurgia · AIM at “Banca Popolare Commercio e Industria”, Branch no. 2 · Milano, account no. 000000022325 · cod. ABI 05048 · CAB 01602 · cin L, IBAN: IT92L0504801602000000022325, swift code POCIITM1002. The transfer order must specify the name of the delegate and the reference “HTDC 2006”. A copy of the transfer order must be sent to AIM, together with the Registration Form.
- by credit card Visa, American Express, Diners cards, Carta Si, and cash at the registration desk in Vicenza ONLY FOR DELEGATES.
Advanced registration
If you plan to attend, please fill in the Registration Form on the Conference website http://www.aimnet.it/hlcd2006.htm or the enclosed Registration Form and send it to the Conference Secretariat at your earliest convenience, but not later than 1 September 2006. Please use a separate form for each participant. Photocopies can be used. Please contact the Conference Secretariat by fax or e-mail, if possible.

On-site registration
Attendants must be registered at the registration desk at Università di Padova, department of Vicenza, stradella S. Nicola 3.

Registration time
Wednesday, 20 September: 16.00 - 19.00
Thursday, 21 September: 8.15 - 9.15, 14.00 - 18.00. It will continue the following day at the on-site registration desk.

Cancellation and refund policy
For delegates who notify their cancellation after 15 September 2006 or will not attend the Conference, a charge of 50% of the Conference fee will be withheld and a copy of the proceedings will be sent after the event.

Insurance
The Conference Organiser and Università di Padova, department of Vicenza, cannot assume any responsibilities for personal accident, loss or damage to the private property of participants and accompanying persons, which may either occur during or arise from the Conference. Participants should therefore take whatever steps they consider necessary as regards insurance.

Accompanying Persons and Post-Conference Tours
A historic and artistic guided tour of Venice (21/09) and a guided tour of Venice and its surroundings (22/09) will be available (subject to a minimum of participants).

Visa Application Form
If you need an official invitation please send your request to the Organising Secretariat before 8 September 2006 complete with family and first name, passport number, Italian Embassy fax and nationality.

SUGGESTED HOTELS
Please make your hotel reservation at your earliest convenience. There will be no official Conference agency.
Albergo Campo Marzio (★★★★)
Viale Roma 21 · 36100 Vicenza
Tel. +39 0444 545700
Fax +39 0444 320495
www.hotelcampomarzio.com
Hotel Giardini (★★★)
Viale Giuriolo 10 · 36100 Vicenza
Tel./Fax +39 0444 326458
www.hotelgiardini.com
Hotel Continental (★★★)
Viale G.G. Trissino, 89 · 36100 Vicenza
Tel. +39 0444 505476
Fax +39 0444 513319
www.continental-hotel.it
Hotel Cristina (★★★★)
Corso San Felice 32 · 36100 Vicenza
Tel. +39 0444 323751 / 324297
Fax +39 0444 543656
www.hcristina.it

Please complete and return this form by 1st September 2006 to: Associazione Italiana di Metallurgia - AIM
Piazzale Rodolfo Morandi 2 · 20121 Milano, Italy · Tel. +39 02-76021322 / 02-76397770 · Fax +39 02-76020351
E-mail: aim@aimnet.it · VAT entry no. 00825780159

3rd International Conference High Tech Die Casting 2006
Gravity, Low and High Pressure
21 - 22 September 2006 · Vicenza, Italy

Invoice's figures

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<td>Cab 01602 · Cin L, Iban: IT92L05048016020000000022325, swift code POCIITM1002. The transfer order must specify the name of the delegate and the reference “HTDC 2006”. A copy of the transfer order must be sent to AIM, together with the registration form.</td>
</tr>
<tr>
<td>By credit card Visa, American Express, Diners Cards, Carta SI, and cash at the registration desk in Vicenza only for delegates.</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>

We inform you that data collected will be treated following the normal institutional activity of aim. In accordance to article 130 of the D.Lgs 196/03 in every moment the interested party has the right to oppose the treatment of one's personal data. Your data will be dealt with in accordance of the D.Lgs. In 30th june 2003 n.96, Guaranteeing the rights of the interested parties foreseen in the 7 art. Of the decree We also inform you that aim will communicate to foreign partners the personal data only for above reasons. We also inform you that your personal data will be on the list of the conference participants. We also inform you that the holder of the personal data is aim in milan in p.le morandi 2, while owner of the personal data is prof. Walter Nicodemi, available near the aim offices. In the case that you do not want to appear on this list you may block the mail box.

Date
Signature
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.30</td>
<td>Welcome addresses</td>
</tr>
<tr>
<td>10.00</td>
<td>Vittoriano Wagner Award</td>
</tr>
<tr>
<td>10.15</td>
<td>Palladio and his “Teatro Olimpico”</td>
</tr>
<tr>
<td>10.30</td>
<td>OPENING LECTURES</td>
</tr>
<tr>
<td>12.00</td>
<td>Welcome Buffet</td>
</tr>
</tbody>
</table>

**THURSDAY, 21 SEPTEMBER 2006**

At Università di Padova, department of Vicenza

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>14.00</td>
<td>Innovation in light alloys Steel for dies</td>
</tr>
<tr>
<td>16.15</td>
<td>Coffee break</td>
</tr>
<tr>
<td>16.30</td>
<td>Microstructural modelling Technologies for the process</td>
</tr>
<tr>
<td>19.30</td>
<td>Conference Dinner</td>
</tr>
</tbody>
</table>

**FRIDAY, 22 SEPTEMBER 2006**

At Università di Padova, department of Vicenza

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9.00</td>
<td>Semi-solid processing Innovating the diecasting process</td>
</tr>
<tr>
<td>11.05</td>
<td>Coffee break</td>
</tr>
<tr>
<td>11.20</td>
<td>Modelling for design Characterisation of diecast alloys</td>
</tr>
<tr>
<td>13.00</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

**FRIDAY, 22 SEPTEMBER 2006**

At Università di Padova, department of Vicenza

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.00</td>
<td>Official poster session</td>
</tr>
<tr>
<td>14.30</td>
<td>Advanced process simulation Heat treatment of casting</td>
</tr>
<tr>
<td>15.30</td>
<td>Poster overview and best poster award</td>
</tr>
<tr>
<td>16.00</td>
<td>Scenario for diecasting</td>
</tr>
<tr>
<td>17.15</td>
<td>Closure of Conference</td>
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</table>