

7<sup>th</sup> European  
**stainless  
steel**

Conference  
science and market  
como (italy)  
21-23 september 2011



[www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm)

organised by

**AIM - Associazione Italiana di Metallurgia**

preliminary program  
preview



in cooperation with



**POLITECNICO  
DI MILANO**  
Polo Regionale di Como

and

**siderweb.com**  
il portale della siderurgia

patronized by



Federacciai





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**Jan-Olof Nilsson** - Sandvik Materials Technology, Sweden

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**Marco Farinet** - Cogne Acciai Speciali, Italy

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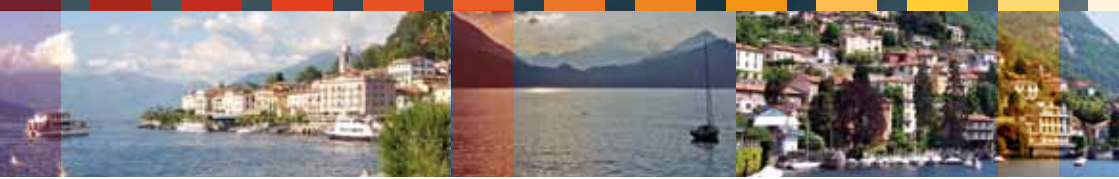
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**C. Somsiri** - Thainox Stainless, Thailand

**N. Suutala** - Outokumpu, Finland

**B. Van Hecke** - Aperam, Belgium



## **COOPERATING ORGANISATIONS**

- **Austrian Society for Metallurgy and Materials**
- **Brazilian Metals and Materials Association**
- **Centro Nacional de Investigaciones Metalúrgicas**
- **Centre de Recherches Métallurgiques**
- **The Chinese Society for Metals**
- **Croatian Metallurgical Society**
- **Czech Steel Federation**
- **DVM, German Association for Materials Research and Testing**
- **Fédération Française de l'Acier**
- **Hungarian Mining & Metallurgical Society**
- **The Institute of Materials, Minerals and Mining**
- **International Stainless Steel Forum**
- **The Iron and Steel Institute of Japan**
- **Jernkontoret**
- **The Minerals, Metals & Materials Society**
- **Société Française de Métallurgie et de Matériaux**
- **Steel Institute VDEh**

## **PREVIOUS CONFERENCES**

- 1<sup>st</sup> - Florence, Italy (1993)
- 2<sup>nd</sup> - Dusseldorf, Germany (1996)
- 3<sup>rd</sup> - Chia Laguna, Sardinia, Italy (1999)
- 4<sup>th</sup> - Paris, France (2002)
- 5<sup>th</sup> - Sevilla, Spain (2005)
- 6<sup>th</sup> - Helsinki, Finland (2008)



## SCOPE

With the 7<sup>th</sup> European Stainless Steel Conference - Science and Market, that will be held on 21-23 September 2011 in Como (Italy), AIM would like to match and to improve the positive and successful experience of the previous European Stainless Steel Conferences, started by AIM in 1993 with the first meeting in Florence (Italy).

The Conference aims at gathering and sharing information on all aspects of production technology of stainless steels such as hot and cold rolling, heat treatment and so on, among delegates with academic and industrial backgrounds. These developments will be linked to existing and potential applications and to other market-related factors, in order to set orientations to guide future developments. Such an event, capable of bringing together manufacturers and users of stainless steel, will allow the comparison between the present and future needs of the latter and the former's ability to satisfy these demands now or in the future.

## PRELIMINARY PROGRAM

More than 100 papers and 30 posters will be presented from customers, steel companies, suppliers and research institutes dealing with stainless steel.

In order to foster a wide participation, fees have intentionally been kept low.

We expect that 7<sup>th</sup> European Stainless Steel Conference will carry on the success of the conference series and support the continued development of knowledge for improved production and application of stainless steels.

## stainless steel market outlook

Short and medium term perspectives of Italian stainless steel flat and long products. These issues will be broadly discussed inside the fourth edition of the Stainless Steel Market Outlook, the appointment organized by Siderweb specifically focused on stainless steel sector. Using the technical analysis on prices developments mixed to macroeconomic views, the most topical current issues combined with forecast indications will be addressed to all the attendees. It is expected the presence of speakers representing the most important Italian stainless steel association and testimonials coming from the big stainless steel Italian companies. The participation to the SSMO is free for the conference attendees. If you wish to attend, please fill in the relevant section in the Conference registration form.

**download the complete preliminary program  
on the conference website:  
[www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm)**



## GENERAL INFORMATION

### Organizing Secretariat

#### AIM - Associazione Italiana di Metallurgia

Piazzale Rodolfo Morandi 2 · I - 20121 Milano, Italy

Tel.: +39 02.7602.1132 or +39 02.7639.7770

Fax +39 02.7602.0551

E-mail: [aim@aimnet.it](mailto:aim@aimnet.it)

Conference website:

[www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm)

### Conference Venue

The Conference will be staged in Como at the Congress Centre of Politecnico di Milano - Como Campus - via Castelnuovo, 7.

### Language

The official language of the conference will be English.

### Sponsorship opportunities

The 7<sup>th</sup> European Stainless Steels Conference - Science & Market is expected to attract over 300 experts in the stainless steel industry from all over the world. It will offer a unique opportunity to promote new products, outline services

and highlight key achievements to an excellent target audience. Companies will be able to re-inforce their participation and enhance their corporate identification by taking advantage of additional benefits offered to them as Sponsors of the Conference. Several Sponsorship opportunities will be available for the 7<sup>th</sup> European Stainless Steel Conference, including three levels of Global Conference Sponsorship as well as different branding and Item Sponsorship opportunities. If you are interested in sponsoring the event, please visit the Conference website: [www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm) or contact the Organising Secretariat ([aim@aimnet.it](mailto:aim@aimnet.it)).

### Proceedings

The full texts of the accepted papers will be published in the CD-Rom proceedings and issued to attendees on arrival at the conference. A selection of the best papers will also be published on "La Metallurgia Italiana", the scientific journal of Associazione Italiana di Metallurgia which is now covered in the Science Citation Index Expanded by Thomson Reuters and in Scopus by Elsevier B.V.

## REGISTRATION INFORMATION

### EARLY REGISTRATION FEES (before July 29, 2011)

#### Standard Rates

Delegates:	Eur <b>590</b> (*)
Speakers (★)/Academics/Chairmen:	Eur <b>540</b> (*)
Students (★★):	Eur <b>250</b> (*)

#### AIM/Centro Inox Members Rates

Delegates:	Eur <b>490</b> (*)
Speakers (★)/Academics/Chairmen:	Eur <b>440</b> (*)
AIM Junior Members:	<b>Free</b>

(\*) Revenue Stamp included

### LATE REGISTRATION FEES (after July 29, 2011)

#### Standard Rates

Delegates:	Eur <b>680</b> (*)
Academics/Chairmen:	Eur <b>630</b> (*)
Students(★★):	Eur <b>340</b> (*)

#### AIM/Centro Inox Members Rates

Delegates:	Eur <b>580</b> (*)
Academics/Chairmen:	Eur <b>530</b> (*)
AIM Junior Members:	<b>Free</b>

(\*) Revenue Stamp included

Accompanying persons Eur **138** (VAT included)

(includes only aperitivo di benvenuto - 20 September, guided tour of Como and cocktail on the lake - 21 September and Conference dinner - 22 September)

## 7<sup>th</sup> European STAINLESS STEEL Conference - Science & Market

Como (Italy), 21-23 September 2011

Please complete and return this form by July 29, 2011 to:

**ASSOCIAZIONE ITALIANA DI METALLURGIA - AIM**

Piazzale Rodolfo Morandi 2 - I - 20121 Milano, Italy

Tel. +39 0276021132 / 0276397770 · Fax +39 0276020551 · E-mail: aim@aimnet.it · Website: www.aimnet.it

### EARLY REGISTRATION FEES (before July 29, 2011)

#### Standard Rates

Delegates: Eur **590** (\*)  
 Speakers (★)/Academics/Chairmen: Eur **540** (\*)  
 Students (★★): Eur **250** (\*)

#### AIM/Centro Inox Members Rates

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*(includes only aperitivo di benvenuto - 20 September, guided tour of Como and cocktail on the lake - 21 September and Conference dinner - 22 September)*

Conference Registration fees include admittance to technical sessions, Conference bag with CD-Rom proceedings, coffee breaks, lunches, aperitivo di benvenuto (20 September), guided tour of Como and cocktail on the lake (21 September) and Conference dinner (22 September). For non-members the fee includes AIM Membership for the last quarter of 2011 and for the year 2012.

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(★) **Speakers** are required to register and pay the conference fee **not later than 8 July 2011**. Otherwise their paper will be removed from the program and the proceedings.

(★★) **Students** will have to provide valid proof of student status. Student registration fee includes access to technical sessions, Conference bag with CD-Rom proceedings, coffee breaks, lunches, aperitivo di benvenuto (20 September), guided tour of Como and cocktail on the lake (21 September). **It does not include the Conference dinner.**

**Cumulative registrations** for over 3 delegates from the same company will entitle to a discount of 15% of the total amount. Cumulative registration forms should be sent together.

# hotel reservation form



Como Imprenditori  
Alberghieri

## 7<sup>th</sup> European STAINLESS STEEL Conference - Science & Market

Como (Italy), 21-23 September 2011

Please book your accommodation before July 20, 2011

MIZAR Srl: +39 031 342015 (tel. +39 031 342025) - madda@mizarconventions.com

Family Name.....

First Name(s).....

Company Name.....

ZipCode..... Town..... Country.....

Tel.....

Fax.....

### I WOULD LIKE TO MAKE THE FOLLOWING ROOM RESERVATION:

STAR RATING	SINGLE ROOM**	DOUBLE ROOM SINGLE USE	DOUBLE/TWIN ROOM
★★★★	€ 142,00/150,00	€ 130,00/184,00	€ 180,00/242,00
★★★	€ 75,00/98,00	€ 90,00/€ 140,00	€ 120,00/141,00



**Please use BLOCK letters throughout form (photocopies can be used)**  
**PERSONAL AND INVOICING DATA**

Family Name .....

First Name(s) .....

Company Name .....

Company Fiscal Address .....

Zip Code ..... Town .....

County .....

E-mail for correspondence .....

E-mail for invoicing and billing information .....

Tel. ....

Fax .....

VAT and FISCAL CODE (if different) .....

Order ref. number (if requested on the invoice) .....

I will attend the Conference as:

NON MEMBER     AIM MEMBER

Centro Inox MEMBER

by non-transferable bank draft or cheque, negotiable in Italy, to the order of Associazione Italiana di Metallurgia - AIM.

- Speaker (paper nr ..... )
- Academic
- Chairman of the session
- Delegate
- Student
- AIM Junior Member
- n. .... Accompanying Persons

€ .....  
€ .....  
€ .....  
€ .....  
€ .....  
free  
€ .....

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: IT9210504801602000000022325, swift code POCITM1002. The transfer order must specify the name of the delegate and the reference "STAINLESS 2011". **A copy of the transfer order must be sent to AIM, together with this Registration Form.**

I would like to attend the Stainless Steel Market Outlook

free

Total amount being paid: .....

€ .....

by credit card online ([www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm)).  
 by credit card (Visa, Carta SI, Mastercard, American Express and Diners) and cash **at the registration desk in Como (not for speakers).**

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. 196, 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. In the case that you **DO NOT** want to appear on this list you may block the mail box. 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 ing. Vincenzo Crapanzano, available near the AIM offices.

Date .....

Signature .....



## GENERAL INFORMATION

Conference Registration fees include admittance to technical sessions, Conference bag with CD-Rom proceedings, coffee breaks, lunches, *aperitivo di benvenuto* - get together cocktail (20 September), guided tour of Como and cocktail on the lake (21 September) and Conference dinner (22 September). For non-members the fee includes AIM Membership for the last quarter of 2011 and for the year 2012.

(★) **Speakers** are required to register and pay the conference fee **not later than 8 July 2011**. Otherwise their paper will be removed from the program and the proceedings.

(★★) **Students** will have to provide valid proof of student status. Student registration fee includes access to technical sessions, Conference bag with CD-Rom proceedings, coffee breaks, lunches, *aperitivo di benvenuto* (20 September), guided tour of Como and cocktail on the lake (21 September). **It does not include the Conference dinner.**

**Cumulative registrations** for over 3 delegates from the same company will entitle to a discount of 15% of the total amount. Cumulative registration forms should be sent together.

### 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

"STAINLESS 2011". A copy of the transfer order must be sent to AIM, together with the Registration Form.

- by credit card online ([www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm));
- by credit card (Visa, Carta Sì, Mastercard, American Express and Diners) and cash at the registration desk in Como (**not for speakers**).

### Advanced registration

If you plan to attend, please download the Registration Form on the conference website [www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm) or fill in the enclosed Registration Form and send it to the Organising Secretariat at your earliest convenience, but **not later than July 29, 2011**.

Please use a separate form for each participant. Photocopies can be used.

It is also possible to register online on the Conference website:

[www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm)

Please contact the Organising Secretariat by fax or e-mail, if possible.

### Cancellation and refund policy

A refund, **less 20%** deduction for administrative costs, will be issued for written cancellations received **by June 6, 2011**. For attendees who notify their cancellation **after August 26, 2011** or will not attend the conference, **a charge of 100% of the conference fee** will be with-held and a copy of the proceedings will be sent after the event.

### Visa Application Form

If you need an official invitation please send your request to the Organising Secretariat **before August 9, 2011** complete with family and first name, birth date, passport number, arrival and departure dates, nationality and Italian Embassy fax number.



## ACCOMMODATION

### Official travel and reservation agency

#### MIZAR

Via 5 giornate 2/R

22012 Cernobbio (CO), Italy

Phone: +39 031 342025

Fax: +39 031 342015

e-mail: madda@mizarconventions.com

website: www.mizarconventions.com

### Hotel reservations

To reserve accommodation, the attached Hotel Reservation Form should be completed and transmitted to **MIZAR by July 20, 2011**. After July 20, the fees will be subjected to availability. It is also possible to book accommodation online on the Conference website: [www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm).

### HOTEL RATES

*(The rates are per room, per night, B&B accommodation, taxes included)*

STAR RATING	SINGLE ROOM	DOUBLE ROOM SINGLE USE	DOUBLE ROOM
★★★★	€ 142,00/150,00	€ 130,00/184,00	€ 180,00/242,00
★★★	€ 75,00/98,00	€ 90,00/140,00	€ 120,00/141,00

Once single rooms are fully booked, double rooms for single use will be allotted. All the hotels are located in the city centre and at a walking distance from the venue of the event. Booking is on a first come, first served basis.

### Credit card is used as guarantee. The room will be paid at departure.

Accepted credit cards: AMERICAN EXPRESS, VISA (no ELECTRON VISA), MASTERCARD, DINERS.

**Cancellation or booking changes** can only be made by writing to Mizar, Cernobbio.

° Cancellation received **before July 20, 2011**: no penalties

° Cancellation received **between July 20, 2011 and August 31, 2011**: one overnight charged

° Cancellation **after August 31, 2011**/no show/no notice: no refund



## SOCIAL PROGRAM

A rich social program has been designed to give delegates the opportunity to meet informally and enjoy Como's atmosphere.

- **Aperitivo di benvenuto (Get-together cocktail)**

A get-together cocktail will be offered at the Conference venue on September 20, 2011 at 18:30.

- **Guided tour of Como and cocktail on the lake**

A visit to the city centre of Como will be organised in the late afternoon of 21 September 2011. The tour will end with a cocktail served at the Palace Hotel, in front of the lake.

- **Conference dinner**

In the evening of 22 September 2011, a Conference dinner will be offered. Further details will be published soon.

### Accompanying persons tours

The following guided tours will be available for accompanying persons.

If you wish to book the tours, please fill-in the relative form on the Conference website ([www.aimnet.it/stainless2011.htm](http://www.aimnet.it/stainless2011.htm)) and send it **before September 1, 2011** to **MIZAR Srl**: +39 031 342015 (tel. +39 031 342025) [madda@mizarconventions.com](mailto:madda@mizarconventions.com)

### DISCOVERING LAKE COMO - Full day

(BOAT+WALKING)

#### SEPTEMBER 21, 2011

Departure by boat for a panoramic tour of the lake.

The navigation starts at Como and through several small villages that dot the shores of the lake, medieval villages, Romanesque churches, views, nature and villas with their parks, passing along the banks of the noble branch of the lake, arriving to Bellagio, the pearl of the lake.

#### Admission fee without lunch:

€ 80,00 per person VAT 20% included

#### The price includes:

Full day service guide for maximum 7 hours  
Reserved boat

#### The price doesn't include:

Personal extras - All that is not specified above

### LUGANO - Afternoon

(BUS+WALKING)

#### SEPTEMBER 22, 2011

Departure by bus from Como to Lugano by highway, visit of the town and some free time for shopping or to enjoy a tea. Trip back by bus to Como.

#### Admission fee:

€ 28,00 per person VAT 20% included

#### The price includes:

Half day service guide for maximum 4 hours  
Reserved coach

#### The price doesn't include:

Personal extras - All that is not specified above

### BRUNATE - Afternoon

(FUNICOLAR+WALKING)

#### SEPTEMBER 23, 2011

Departure from Como to Brunate by funicular, visit of the village and its liberty villas. Trip back by funicular to Como.

#### Admission fee:

€ 21,00 per person VAT 20% included

#### The price includes:

Half day service guide for maximum 3 hours  
Funicular ticket

#### The price doesn't include:

Personal extras - All that is not specified above

*p.s. The above mentioned tours will be guaranteed with a minimum participation of 30 people for the tour Discovering Lake Como and Lugano and 20 people for Brunate*



## PRELIMINARY TIME TABLE

### TUESDAY 20 SEPTEMBER

<b>16:30</b>	Opening of the registration
<b>18:30</b>	<i>Aperitivo di benvenuto</i> (Get-together cocktail)

### WEDNESDAY 21 SEPTEMBER

<b>8:00</b>	Registration
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#### ROOM A

#### OPENING AND PLENARY SESSION

<b>9:00</b>	Welcome addresses by the Conference Chairmen and local authorities Presentation of the <b>STAINLESS STEEL "GABRIELE DI CAPRIO" MEDAL</b> to <b>Jacques Charles</b> Opening lecture by <b>J. Charles</b> - <i>Aperam, France</i>
<b>10:40</b>	Coffee break
<b>11:00</b>	Opening lectures by <b>J. Ågren</b> - <i>Royal Institute of Technology, Stockholm, Sweden</i> <b>M. Moll</b> - <i>SMR-Steel &amp; Metals Market Research, Austria</i>
<b>12:00</b>	Lunch

#### ROOM A

#### ROOM B

<b>13:00</b>	<b>Corrosion I</b>	<b>Market Developments</b>
<b>14:50</b>	Coffee break	
<b>15:10</b>	<b>Corrosion II</b>	<b>Stainless Steel Market Outlook</b>
<b>18:30</b>	Guided tour of Como and cocktail on the lake	

### THURSDAY 22 SEPTEMBER

#### ROOM A

#### ROOM B

#### ROOM C

<b>9:00</b>	<b>Corrosion III</b>	<b>Austenitic Stainless Steels I</b>	<b>Simulation and Modeling I</b>
<b>10:50</b>	Coffee break		
<b>11:10</b>	<b>Surface Properties I</b>	<b>Austenitic Stainless Steels II</b>	<b>Simulation and Modeling II</b>
<b>12:50</b>	Lunch		
<b>13:50</b>	<b>Surface Properties II</b>	<b>Applications I</b>	<b>Ferritic Stainless Steels</b>
<b>15:40</b>	Coffee break		
<b>16:00</b>	<b>Welding</b>	<b>Applications II</b>	<b>Miscellaneous</b>
	Conference dinner		

### FRIDAY 23 SEPTEMBER

#### ROOM A

#### ROOM B

<b>9:00</b>	<b>Duplex Stainless Steel I</b>	<b>Process Technologies I</b>
<b>10:50</b>	Coffee break	
<b>11:10</b>	<b>Duplex Stainless Steels II</b>	<b>Process Technologies II</b>
<b>12:50</b>	Lunch	
<b>13:50</b>	<b>Applications III</b>	<b>Microstructure &amp; Characterisation</b>
<b>15:40</b>	Closing remarks	



## The city of Como

Just half an hour from noisy, bustling Milan, Como province is a jewel like oasis of tranquillity, a magical combination of lush Mediterranean foliage and snowy alpine peaks. Lake Como (Lago di Como) is one of the famous Italian Lakes destinations, long (50km), slender and extremely deep. The southern end forks into two long 'arms', with the picturesque town of Bellagio situated on the promontory between them. Like the other Italian Lakes, Lake Como has been popular as a resort since the days of the Roman Empire. Visitors ever since have admired the blue waters and relaxed in luxurious villas in the wooded lakeside slopes above. Como preserves important monuments from each important era of its history, such as its Gothic-Renaissance cathedral completed in the 19<sup>th</sup> century with the dome of Filippo Juvarra or the many 400-year-old buildings and the basilica in Piazza San Fedele, at the heart of Como's walled Old Town. For all these reasons, Como and its lake have become, over the years, more and more popular with both tourists and celebrities alike as it is in a fantastic location, with its magnificent mountains and valleys and the many quaint villages with beautiful lakeside villas. The lake offers also many things to do: walking or hiking and of course a multitude of watersports to choose from with many schools towards the northern part of the lake (Dongo, Domaso, Colico) where you can book lessons for sailing, windsurfing, diving etc.

## How to get there

- You can easily reach Como **by plane**, arriving at the 3 airports of Milan (Malpensa, Linate and Orio al Serio) and at the one in Lugano, Switzerland. The airport in Lugano is only 20 minutes by car from Como, while the airports of Malpensa, Linate and Bergamo (Orio al Serio) are 50-60 minutes by car from Como.
- Como is also well connected **by train** to all the most important cities in Italy and Europe. Fast and frequent train link Como to Milan and to Switzerland: Ferrovie Nord Milan (Milan North Railway) links Como to the centre of Milan-Milano Cadorna- with a frequency of a train every 30 minutes. Ferrovie dello Stato (National Railway)-station of Como San Giovanni, situated on the International line Milano-Chiasso links Como to the major European and Italian cities.
- You can also reach Como **by car**, using the A9 motorway from Milan.



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STEEL



Thermo-Calc Software

[www.thermocalc.com](http://www.thermocalc.com)



*Organizing Secretariat*

**Associazione Italiana di Metallurgia**

I - 20121 Milano, Italy

Tel. +39 02-7602.1132 or 7639.7770

Fax. +39 02- 7602.0551

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