

# “When aluminium technologies become cre@tive”

## Symposium context & objective

The aluMATTER project provides interactive e-learning resources on aluminium metallurgy and technologies. These e-learning resources are freely accessible on the Internet.

**[www.alumatter.info](http://www.alumatter.info)**

In the last 3 years, aluMATTER was developed as a project partly funded by the Leonardo da Vinci programme of the European Commission. Twenty partners from industry, academics, technical centres and aluminium associations were involved and have contributed to the website development.

This symposium will highlight the achievements of the project, demonstrating the high quality, the interactivity and the pedagogic soundness of this innovative website. A plenary session will take place on 24 November giving the floor to the various aluMATTER contributors. The session will include participation from the audience through individual voting boxes in order to respond to multiple-choice questions raised by speakers. On the morning of 25 November, participants will be invited to use the website for “solving” on-line case studies, related to automotive applications.

## Target group

This symposium particularly addresses students and professors in engineering, engineers in the metal and manufacturing industry as well as trainers in the metal sector.

## Language

English

## Location

The 2-day conference will take place at **Vrije Universiteit Brussel, Pleinlaan 2, 1050 Brussels.**

The plenary session will be held in **Aula QD.**

## Registration\*

Symposium registration fee is free for students and 80€ for other participants. Pre-registration is compulsory to access the symposium.

The fee includes symposium package, coffee breaks as well as lunches on 24 & 25 November for the non-students. Lunch vouchers will be available for students for 10€. The dinner on 24 November is not included in the registration fee.

Please note that the number of participants is limited, especially for the practical session of 25 November, so early registration is recommended.

The participation fee for the dinner on the 24 November is 60€. It will be held at the Brussels restaurant: “Aux Armes de Bruxelles”.

\*Each participant must fill in & fax/mail back the registration form on the last page of this leaflet.

## Organised by



## Project co-funded by



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## Draft programme

Plenary lectures will take place on 24 November, followed by practical sessions on PC during the morning of 25 November.

## 24 November: Plenary session

09.00	Welcome desk open for registration
10.00	Symposium opening & Welcome words by Patrick de Schrynmakers, EAA Secretary General Herman Terryn, Professor, Vrije Universiteit Brussel
<b>10.10 - 11.15</b>	<b>Session I: aluMATTER introduction</b> Chairman : Herman Terryn, Vrije Universiteit Brussel
10.10	From TALAT to aluMATTER, the EAA experience, Christian Leroy, EAA
10.25	e-Learning in material science, the UK experience, Peter Goodhew, Director of UK Centre for Materials Education
10.40	MATTER: when IT & material science expertise serves the metal industry, Andrew Green, MATTER project, Liverpool University
11.00	Questions & Answers
11.15	Coffee Break
<b>11.40 - 13.00</b>	<b>Session II: aluminium material science &amp; properties</b> Chairman: Peter Goodhew, UK Centre for Materials Education
11.40	When aluminium materials science & metallurgy enters mechanical engineering, Jürgen Hirsch, Hydro aluminium
12.00	Understanding aluminium mechanical properties, Joseph Robson, University of Manchester
12.20	Surface & physical properties of aluminium serving your day to day life, Christophe Sigli, Alcan; Iris de Graeve, Vrije Universiteit Brussel
12.50	Questions & Answers
13.00 -14.15	Lunch Break
<b>14.15 - 15.45</b>	<b>Session III: aluminium enabling technologies &amp; corrosion control</b> Chairman: Jürgen Hirsch, Hydro Aluminium
14.15	Trends in aluminium sheet forming, Stefan Wagner, University of Stuttgart
14.35	Aluminium machining: when animations make the difference, Benoit Verquin, Cetim
14.55	Joining of aluminium: some guidance in the panoply of technologies, Arno Aryus, SLV-Duisburg
15.15	Aluminium corrosion: the keys for a better control, Carlos.Caicedo-Martinez, Corus
15.35	Questions & Answers
15.45	Coffee break

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## 24 November: Plenary session (end)

16.15 - 17.30	Session IV: aluMATTER in practice and in the future Chairman : Christophe Sigli, Alcan
16.15	aluMATTER & engineering studies: a winning combination? 2 Academic experiences, Hugh shercliff, Cambridge University; Iris de Graeve, Vrije Universiteit Brussel
16.35	From e-learning resources to formal training programmes , Jacques Vauthier, Senior advisor in Information and Communication Technologies, Ministry of foreign affairs, France
16.55	Future aluMATTER developments, Christian Leroy, EAA
17.10	Questions & Answers
17.20	1st day closing by Jacques Vandommele, Manager Aluminium Center Belgium
17.30	Drink

## 25 November: Morning session on PC

Case studies: “Basic requirements for optimised weight solutions of different automotive components”

09.00	Introduction and explanations of the Case studies
09.15	Case studies analysis and solving
10.40	Coffee break
11.10	Case studies solving (end)
12.10	The proposed solving route & conference closing
12.30	Lunch

### Accommodation\*

“Resotel” takes care of any hotel room reservation. Rooms have been pre-booked in hotel Ustel (78€) and hotel Bedford (116€). Please visit the EAA website ([www.aluminium.org](http://www.aluminium.org)) to download the hotel booking form or to book on-line.

[www.resotel.be/alumatter](http://www.resotel.be/alumatter)

### Route description

**By Plane:** 3 trains every hour from Brussels Airport to central station. From central station, metro or taxi (+/- €10) services are available. A taxi from the airport will cost you €25.

**By metro:** Stations 'Petillon', 'Hankar' and 'Delta' are close to the VUB (Line 1A – direction "Hermann-Debroux")

**By car:** Take the Brussels ring – following direction E411 (Namur/Namen, Luxembourg)

- Take exit 'Brussel/Bruxelles' at junction between E411 and the ring
- Take the viaduct & tunnel
- After tunnel, turn left at the second traffic light.

You should be on "Pleinlaan/Avenue de la plaine".

Please look at the below maps to reach the Aula QD

### More info:

- *Scientific/technical content*

European Aluminium Association

Christian Leroy, leroy@eaa.be

Tel. +32 2 775 63 57, Fax: +32 2 779 05 31

- *Administration (registration & finance)*

Aluminium Center Belgium

Ludwine Biot, biot@aluminiumcenter.be

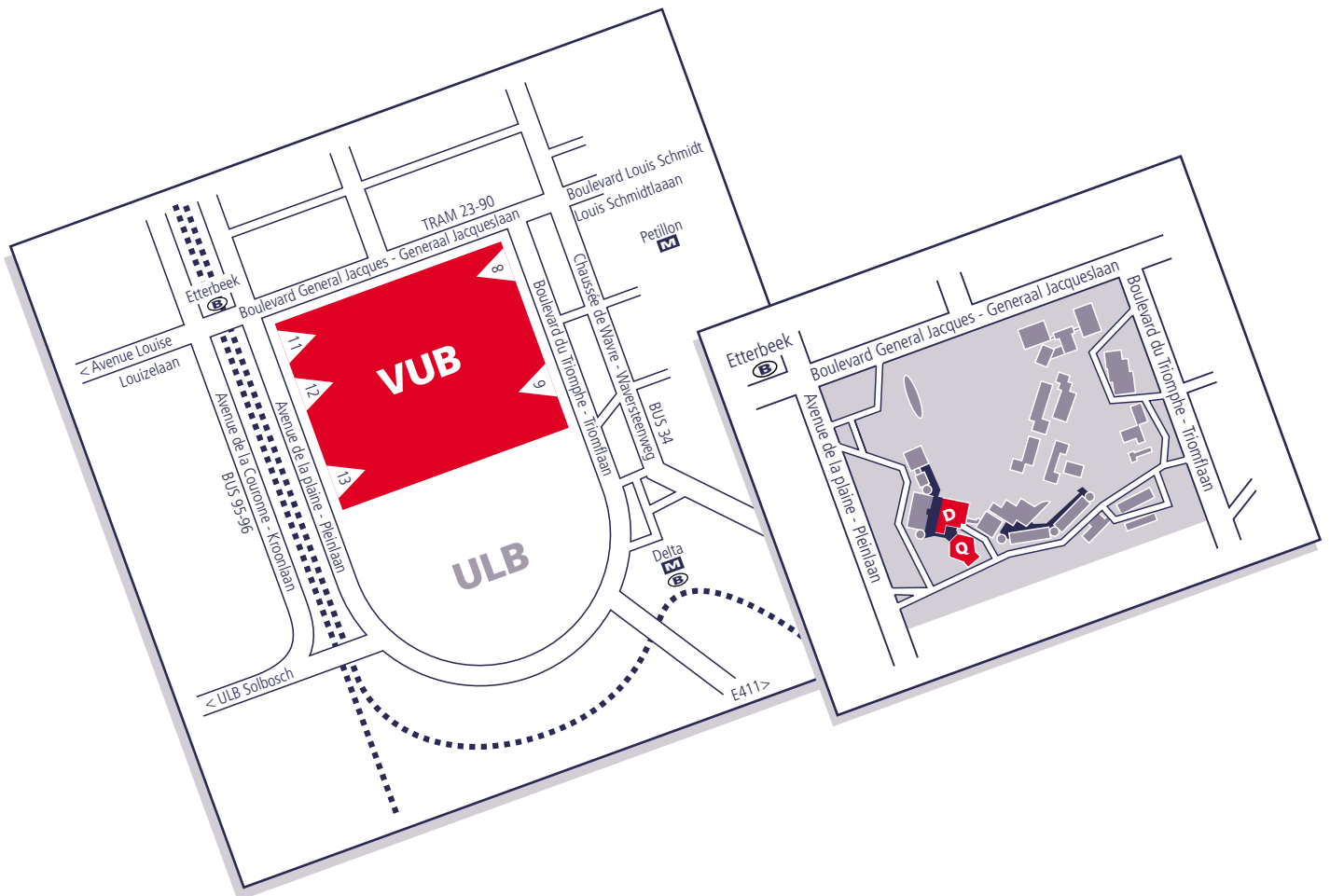
Tel. +32 2 481 00 26 - Fax: +32 2 481 00 29

- *Accommodation*

RESOTEL

Natasha Krasicka, natasha@resotel.be

Tel: +32 2 779.39.39 - Fax: +32 2 779.39.00



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## Registration form

**A registration form must be filled-in by each participant.** Please note that the number of participants is limited, particularly for the practical session of 25 Nov.

Please send this completed form **no later than 4 November** to:



### aluMATTER symposium secretariat

Mrs Nadia Werkers,

Aluminium Center Belgium, Kranenberg 6, BE -1731 Zellik

Tel. +32 2 481 00 26 • Fax: +32 2 481 00 29 • [nadia@aluminiumcenter.be](mailto:nadia@aluminiumcenter.be)

This is an editable PDF form.

## Personal details

First name ..... Name .....

Organisation/University .....

Position .....

Address .....

Postal Code ..... City .....

Country ..... E-mail .....

Tel ..... Fax .....

VAT number (for private organisations) .....

## I will participate in

24 Nov. session

25 Nov. morning on PC

24 Nov. dinner

## I will pay the registration fee (VAT included)

Free for student

80€ as non-student

60€ for dinner

I received the invitation from: .....

Date ..... Signature .....

\* Once registered, you will receive an invoice inviting you to pay your participation/dinner fees. Only participants in order of payment will have access to the symposium. Only cash payment accepted on-site. No refund possible but substitutes are allowed.