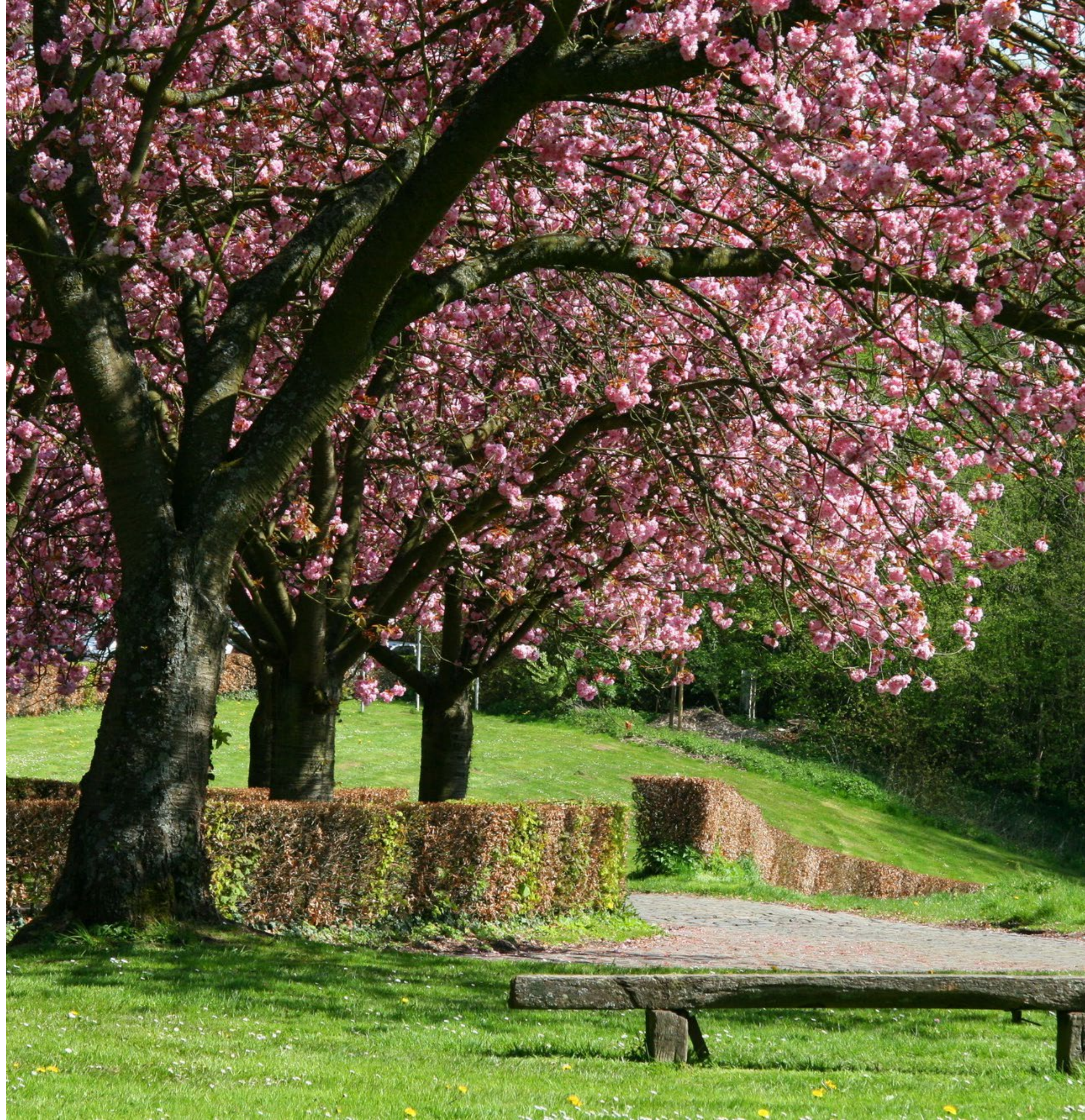


# ESAFORM 2021

14-16 April 2021, Online

Practical information

<http://aimontefiore.org/esaform2021>





# Table of contents

1

Web-event Platform

2

Live sessions

3

Selected papers : presentations  
and publication

4

Questions and answers - Slack

5

Technical recommendations

6

Meeting room

7

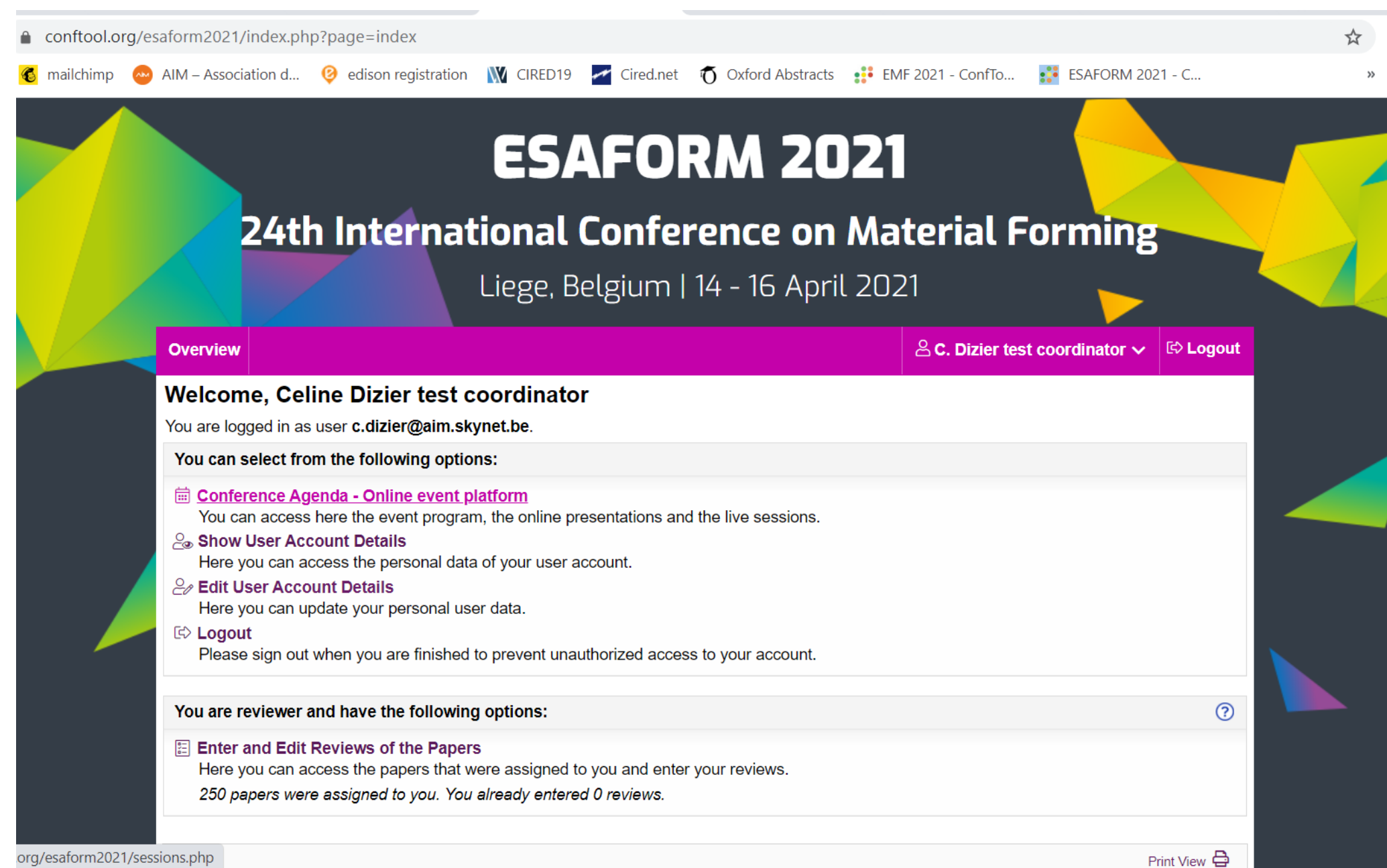
List of participants

# 1. Web-event platform

We will be using the Conftool platform to host the conference : <https://www.conftool.org/esaform2021>

Account : It is the same platform as the one used for the paper submission and the reviewing. Those who already had an account will keep the same account.

For participants, who did not have an account from the submission phase, an account was created for you with the email address you used for the registration. Your username and password were automatically sent to you by email. If you cannot find them, you can use the “Forgotten username” and the “Forgotten password” features.



Once logged in, to access the online event, you can click on “Conference Agenda – Online event platform”. This platform gives you access to the live session links, the coffee breaks and the recorded presentations of the selected papers.

## 2. Live sessions

We will use Zoom for the live sessions.

You can access the Zoom sessions from the web-event platform (Conftool).

Each session is password protected, the passwords were sent by email to each registrant.



In case you cannot access the web-event platform,  
here are the connection links of the live sessions :

Date	Schedule	Title	Access Link
13 April	09:00-10:20 hrs, CEST time	Pre-conference course : Introduction and experimental aspect	<a href="https://zoom.us/j/97319696128">https://zoom.us/j/97319696128</a>
13 April	10:40-12:00 hrs, CEST time	Pre-conference course : Simulation by Solid Finite Elements Method	<a href="https://zoom.us/j/92487056173">https://zoom.us/j/92487056173</a>
13 April	14:00-15:20 hrs, CEST time	Pre-conference course : Simulation By Computational Fluid Dynamics (CFD) /Particle Finite Element Model (PFEM) models	<a href="https://zoom.us/j/95204599612">https://zoom.us/j/95204599612</a>
13 April	15:40-17:00 hrs, CEST time	Pre-conference course : Bio-based Polymers tailored for Additive Manufacturing of Medical Implants (Process and Applications)	<a href="https://zoom.us/j/96577006876">https://zoom.us/j/96577006876</a>
14 April	09:00-09:30 hrs, CEST time	ESAFORM 2021 Opening Session	<a href="https://zoom.us/j/95754042967">https://zoom.us/j/95754042967</a>
14 April	09:30-10:30 hrs, CEST time	Plenary speech : Forming experiments and simulations for discontinuous fiber reinforced CF-SMC components	<a href="https://zoom.us/j/95754042967">https://zoom.us/j/95754042967</a>
14 April	14:30-15:30 hrs, CEST time	“How to write a scientific paper”? This webinar is aimed at PhD students and early career researchers	<a href="https://zoom.us/j/98431805154">https://zoom.us/j/98431805154</a>
14 April	16:00-17:00 hrs, CEST time	Plenary speech : Manufacturing – an integration platform	<a href="https://zoom.us/j/94328008502">https://zoom.us/j/94328008502</a>

Date	Schedule	Title	Access Link
15 April	09:00-10:00 hrs, CEST time	Plenary speech : An end to end platform for the industrialization of additive manufacturing	<a href="https://zoom.us/j/91240866577">https://zoom.us/j/91240866577</a>
15 April	10:00-10:45 hrs, CEST time	ESAFORM general assembly	<a href="https://zoom.us/j/91240866577">https://zoom.us/j/91240866577</a>
15 April	10:45-11:30 hrs, CEST time	ESAFORM Industrial prize winner presentation	<a href="https://zoom.us/j/91240866577">https://zoom.us/j/91240866577</a>
15 April	14:00-15:00 hrs, CEST time	Plenary speech : Manufacturing and Assembly processes : they must be part of Design decisions	<a href="https://zoom.us/j/92449209641">https://zoom.us/j/92449209641</a>
16 April	09:00-10:00 hrs, CEST time	Plenary speech : When regenerative medicine is inspired by material forming field	<a href="https://zoom.us/j/98892255460">https://zoom.us/j/98892255460</a>
16 April	10:20-12:00 hrs, CEST time	Thematic Workshop : Match-Making for Materials Research across the borders between Netherlands, Germany & Belgium through Interreg program	Reserved to attendants that are geographically situated within or very closeby to the Euregio Meuse-Rhine.  Registrations : <a href="https://www.flandersmake.be/en/registration-form-esaform-2021-thematic-workshop">https://www.flandersmake.be/en/registration-form-esaform-2021-thematic-workshop</a>
16 April	14:00-15:30 hrs, CEST time	Benchmark EXACT public session	<a href="https://zoom.us/j/93206529296">https://zoom.us/j/93206529296</a>



← Sessions

Overview > ESAFORM 2021 ONLINE EVENT

## ESAFORM 2021 ONLINE EVENT

Click on the symposium title to access the pre-recorded presentations of this symposium.  
Click on the live session title to access this session.

**Practical information**

1. Registered participants received a **password to join the sessions**. Passwords were sent to each participant by email. if you cannot find yours, don't hesitate to contact the organisation.
2. If you are not presenting, please mute your microphone and turn off your webcam.
3. We will be using the Zoom platform to host the conference. Please ensure you use an up-to-date version.
4. During the live sessions, you can **ask your questions** to the presenters through the Zoom Q&A (not the chat). When the session is not live or for pre-recorded videos of paper presentations, you can ask questions on this platform by clicking on the blue speech bubble.
5. The live sessions will be recorded.

Please note that all times are shown in the time zone of the conference. **The current conference time is: 25th Mar 2021, 04:06:44pm CET**

List View Authors My Agenda Table with No Column Limit More... Name, Title...

Filter by Track or Type of Session All submission types / tracks

### Session Overview

**Date: Monday, 13/Apr/2020**

Live session 09:00-17:00 hrs (CEST)	<b>PRE-CONFERENCE COURSE : ADDITIVE MANUFACTURING : FROM EXPERIMENTS TO MODELS</b> The participation in the pre-conference course is on extra registration. Passwords were sent to the registered participants only.	+
Live session 09:00-10:20 hrs (CEST)	<b>Introduction and experimental aspect</b> Chair: <b>Anne Isabelle Mertens</b> , University of Liege, Belgium The participation in the pre-conference course is on extra registration. Passwords were sent to the registered participants only.	+ +

zoom

You can also find a list of selected contributions sorted by symposium here :

[http://aimontefiore.org/esaform2021/ESAFORM2021\\_List\\_accepted\\_papers.pdf](http://aimontefiore.org/esaform2021/ESAFORM2021_List_accepted_papers.pdf)

Proceedings (papers) : the papers are available on open access here : <https://popups.uliege.be/esaform21/>

### 3. Selected papers : presentations and publication

You have access to all recorded **presentations** through the web-event platform (Conftool).

The system also allows you to make research by authors, affiliation and title. Click on “Authors” and then on “Authors and presentations”.

← Sessions

Overview > ESAFORM 2021 ONLINE EVENT > Index of Authors

## Index of Authors

A list of all persons who contribute to the sessions of this conference. Please select a letter below to list all persons with the corresponding surname.  
Select the presentation in the right-hand column to access session and presentation details.

Session Overview My Agenda More...

List by Initial Letter: **A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ø Ç Š All Authors**

List Options: **Authors and Sessions** · **Authors and Presentations**

Search in List:

Author(s)	Organization(s)	Contribution Title
Abeni, Andrea	Università degli Studi di Brescia, Italy	Finite element simulation of tool wear in machining of nickel-chromium-based superalloy Presenter
ABOURA, Zoheir	Université de Technologie de Compiègne, France	Detection and assessment of the different steps during Liquid Resin Infusion manufacturing of a polymer-matrix composite using an in-situ piezoelectric sensor
Addison, Owen	School of Dentistry, University of Birmingham, 5 Mill Pool Way, Edgbaston, Birmingham B5 7EG, UK.	Surface finish of Additively Manufactured Metals: biofilm formation and cellular attachment
Agazzi, Alban	Innovation-Plasturgie-Composites (IPC)	Generation and homogenization of foamed polymer RVEs: Microstructure-mechanical properties relationship
Agzamova, Diana	Moscow Polytechnic University, Russian Federation	Research Into The Effect Of The 3D-Printing Mode On Changing The Properties Of PETG Transparent Plastic
Aha, Bernd	Zeller+Gmelin GmbH & Co. KG, Schlossstrasse 20, D-73054 Eisligen, Germany	Higher Productivity In Forming High-alloyed Steel By Temperature Insensitive Friction Behavior Presenter
Aicardi, Andrea	Ghepi, Via 8 Marzo, 5, Corte Tegge, 42025, Italy	Rapid Tooling for Injection Moulding Inserts



Hide Downloads

Authors

My Agenda

Name, Title...

Session Overview

Session

MS01 : FRICTION AND WEAR IN FORMING PROCESSES

Add Session to "My Agenda"

Start New Discussion

Time: Friday, 17/Apr/2020: Available 14-23 April on demand.

Session Chair: Javad Hazrati, University of Twente, Netherlands, The

Presentations

A A A ?

ID: 115 / MSA: 1

MS01 FRICTION AND WEAR IN FORMING PROCESSES

Scientific paper (oral presentation)

Galling-Free Cold and Warm Forging of beta-phase Titanium Wire to Flat Plate by SiC-Coated SiC dies

Tatsuhiko Aizawa<sup>1</sup>, Tomoaki Yoshino<sup>2</sup>, Tomomi Shiratori<sup>3</sup>, Tatsuya Fukuda<sup>4</sup>

<sup>1</sup>Surface Engineering Design Laboratory, Japan; <sup>2</sup>Komatsu-Seiki Kosakusho, Co., Ltd.; <sup>3</sup>University of Toyama; <sup>4</sup>Tokai Engineering Service, Co., Ltd.

115\_Galling-Free Cold and Warm Forging of beta-phase Titanium Wire-Aizawa\_video\_file.mp4

Start New Discussion

ID: 122 / MSA: 2

MS01 FRICTION AND WEAR IN FORMING PROCESSES

Scientific paper (oral presentation)

Determining friction and flow stress of material during cold forging

Uday Shanker Dixit<sup>1</sup>, Vikash Kumar<sup>1</sup>, Pavel A Petrov<sup>2</sup>, B. Yu Saprykin<sup>2</sup>

<sup>1</sup>Indian Institute of Technology Guwahati, India; <sup>2</sup>Moscow Polytechnic University

122\_Determining friction and flow stress of material during cold forging-Dixit\_video\_file.mp4

Start New Discussion

ID: 135 / MSA: 3

MS01 FRICTION AND WEAR IN FORMING PROCESSES

Industrial communication (oral presentation)

Higher Productivity In Forming High-alloyed Steel By Temperature Insensitive Friction Behavior

Bernd Aha<sup>1</sup>, Daniel Hettich<sup>1</sup>, Mark Veldhuis<sup>2</sup>, Jan Filzek<sup>3</sup>

<sup>1</sup>Zeller+Gmelin GmbH & Co. KG, Schlossstrasse 20, D-73054 Eislingen, Germany; <sup>2</sup>Philips High Tech Campus 5, 5656AE, Eindhoven, The Netherlands; <sup>3</sup>FILZEK TRIBOtech, Weingartenstraße 31, D-64367 Mühltal, Germany

Start New Discussion

# 4. Questions & answers - Slack

On the **Conftool platform**, you can ask your questions to the presenters of a selected paper.

You can also discuss about a general session for example per mini symposium.

Date: Friday, 17/Apr/2020

Available 14-23 April on demand.

Please find here the video presentations of the selected papers. All videos will be available during the event (14-16 April) until 23 April 2021.

You can participate in the discussion about a symposium by clicking on the blue speech bubble near the symposium title.

If you want to ask a questions to the presenters of a specific paper presentation, please click on the concerned symposium and click on the blue speech bubble next to the contribution.

A detailed list of papers is available here.

Available 14-23 April on demand.

MS01 : FRICTION AND WEAR IN FORMING PROCESSES

Chair: Javad Hazrati, University of Twente, Netherlands, The

Start New Discussion

MS04 : FORGING AND ROLLING

Chair: Bernd-Arno Behrens, Leibniz Universität Hannover, Germany

MS07 : MACHINING AND CUTTING

Chair: Domenico Umbrello, University of Calabria, Italy

Chair: TAKASHI MATSUMURA, Tokyo Denki University, Japan

MS11 : OPTIMIZATION AND INVERSE ANALYSIS IN FORMING

Chair: A. Gil Andrade-Campos, Universidade de Aveiro, Portugal

MS14 : FORMABILITY OF METALLIC MATERIALS

Chair: Gabriela Vincze, University of Aveiro, Portugal

MS02 : COMPOSITES FORMING PROCESSES

Chair: Giuseppe Buffa, University of Salerno, Italy

Start New Discussion

MS05 : INNOVATIVE JOINING BY FORMING TECHNOLOGIES

Chair: GIANLUCA BUFFA, University of Palermo, Italy

MS09 : NEW AND ADVANCED NUMERICAL STRATEGIES FOR MATERIAL FORMING

Chair: Elias Cueto, Universidad de Zaragoza, Spain

Chair: Francisco Chinesta, ENSAM, France

MS12 : POLYMER PROCESSING AND THERMOMECHANICAL PROPERTIES

Chair: Vincent Sobotka, University of Nantes - Polytech Nantes, France

MS15 : INCREMENTAL AND SHEET METAL FORMING

Chair: Gluseppina Ambrogio, University of Calabria, Italy

Chair: Mihaela (Miki) Banu, University of Michigan, United States of America

Experimental : papers 146, 155, 252, 275, 322, 341, 354, 374, 389, 278

Material characterisation : papers 390, 110, 172, 177, 335, 365, 370

Numerical : papers 106, 195, 220, 312, 129

MS03 : EXTRUSION AND DRAWING

Chair: Soeren Mueller, TU Berlin, Germany

MS06 : INTEGRATED MANUFACTURING AND SUSTAINABILITY

Chair: Robertt Valente, University of Aveiro, Portugal

MS10 : NON-CONVENTIONAL PROCESSES

Chair: Margareta Coteata, Gheorghe Asachi Technical University of Iasi, Romania

MS13 : ADDITIVE MANUFACTURING

Chair: Dermot Brabazon, Dublin City University, Ireland

MS16 : MATERIAL BEHAVIOUR MODELLING

Chair: Semih Perdahcioglu, University of Twente, Netherlands, The



Q&A

Open (2)

Answered (0)

Dismissed (0)

Jack Barker 2:43:31 PM

When is the next webinar?

1

Answer live

Type answer

×

Dismiss

Eren Yaeger 2:42:44 PM

When are office hours?

Answer live

Type answer

## 4. Questions & answers - Slack

You will also be able to ask your questions to the presenters during the live sessions. For this, please use the **Q&A in Zoom** (not the chat, except for the workshop on Friday).





#### 4. Questions & answers - Slack

In order for you to chat with other participants during the conference, we created a **Slack** channel.

Don't hesitate to join it, it is free of charge :

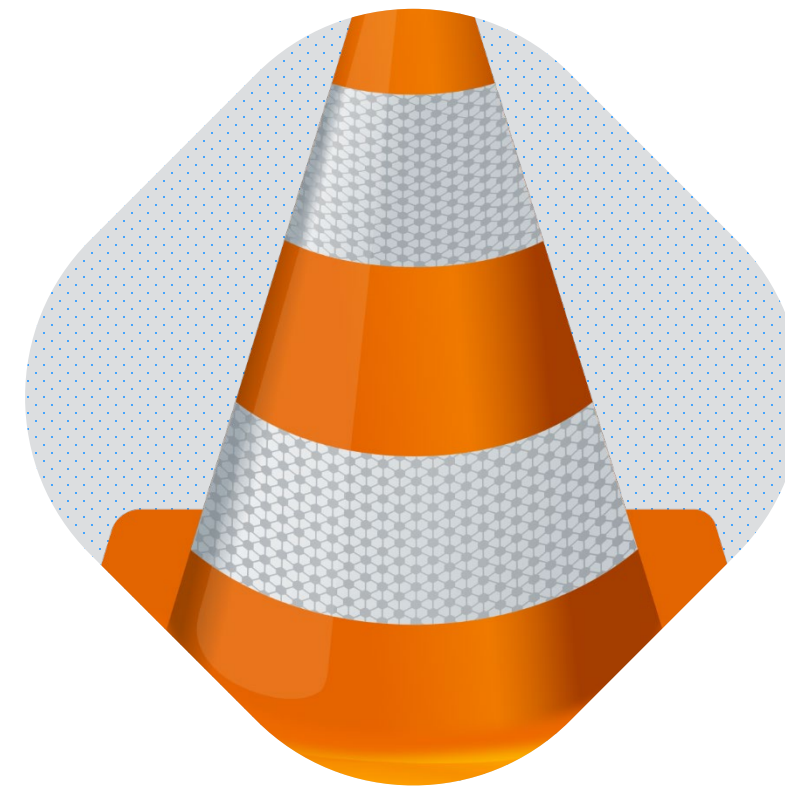
[https://join.slack.com/t/esaform2021/shared\\_invite/zt-odbbvck0-4RCHAovBda~9k~iBfdKpag](https://join.slack.com/t/esaform2021/shared_invite/zt-odbbvck0-4RCHAovBda~9k~iBfdKpag)



## 5. Technical recommendations



Do not hesitate to install the up-to-date Zoom Client if your computer proposes it.



We recommend to check that you have a video player on your computer. If you don't, we recommend to download an up-to-date version of VLC media player (free of charge).



The recommended web browser to be able to use the different tools is Google Chrome (up-to-date version).



## 5. Technical recommendations



We recommend you try to have the best internet connection to follow the live sessions and watch the videos.



If you are a live presenter, we recommend you ensure you have a high quality internet connection. The use of a micro headset is recommended.



To all participants, if you do not intervene during the live sessions, please turn off your camera and microphone.





## 6. Meeting room

A Teams meeting room is available for your meetings during the conference.

It is available during a 1-hour slot. Slots have to be booked online in advance .

The system is based on a first come first served basis and on the respect of the reserved schedule.

Reservation and  
information



## 7. List of participants

As of 31 March 2021

326 participants coming  
from 29 countries

The list is available here :

[http://aimontefiore.org/esaform2021/ESAFORM2021 List of participants.xlsx](http://aimontefiore.org/esaform2021/ESAFORM2021%20List%20of%20participants.xlsx)











thank  
you

# Thank you all for your presence

We are really excited to welcome  
you for the online ESAFORM 2021  
conference.

Don't hesitate to contact us in case  
of questions.

[c.dizier@aim-association.org](mailto:c.dizier@aim-association.org)