

# CMBBE 2024 SYMPOSIUM

The 19th International Symposium on Computer Methods in  
Biomechanics and Biomedical Engineering

30 July – 1 August in Vancouver, Canada

## INDUSTRY PROPOSAL





## Welcome to CMBBE 2024

It is our great pleasure to invite you to the **19th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering** taking place **30 July – 1 August in Vancouver, Canada!**

The symposium will include plenary lectures by renowned international speakers, workshops and special sessions, free paper presentations, industry workshops. CMBBE 2024 will bring together established researchers and international key speakers, offering top-level, state of the art knowledge and networking opportunities in the field of biomechanics and biomedical engineering. There will be many opportunities to network and connect with new and older colleagues and friends.

The first CMBBE symposium took place in 1992 in Swansea and was organised by Prof. John Middleton. Since then the symposium has become a well-established event, known within the computer methods in the biomedical engineering community as a great platform to stay informed about new developments, make new connections and stay in touch with fellow researchers in the field!

## Conference Chairs

Conference Chair: Lyndia Wu

Conference Co-Chair: Calvin Kuo

## Local Organising Committee:

Mattia Bacca

Dana Grecov

Mehmet Kurt

Kaveh Laksari



## About CMBBE Symposium

The CMBBE 2024 Symposium is aimed at exchanging knowledge among engineers, scientists, clinicians, and industry regarding the latest developments and innovations in computational biomechanics and biomedical engineering.

The CMBBE 2024 will include plenary sessions, special sessions, oral and poster presentations, as well as industry workshops.

### What to expect from CMBBE?

- Receive an overview of current research and development trends in academia concerning a spectrum of knowledge and technologies in the field.
- Receive an overview of current trends in commercialized technology as well as of needs and technological gaps identified by the industry.
- Opportunities for commercialization of inventions and technologies which are still at the research lab phase.
- It is an appropriate environment for informal discussions that encourages follow-up contacts between scientists and companies such as for the development of technologies, consultation projects for companies etc.

### Previous CMBBE Symposia

1 <sup>st</sup>	5 – 7 May	1992	Swansea
2 <sup>nd</sup>	21 – 24 Sept	1994	Swansea
3 <sup>rd</sup>	7 – 10 May	1997	Barcelona
4 <sup>th</sup>	13 – 16 Oct	1999	Lisbon
5 <sup>th</sup>	31 Oct – 3 Nov	2001	Rome
6 <sup>th</sup>	25 – 28 Feb	2004	Madrid
7 <sup>th</sup>	22 – 25 March	2006	Antibes
8 <sup>th</sup>	27 Feb – 1 March	2008	Porto
9 <sup>th</sup>	24 – 27 Feb	2010	Valencia
10 <sup>th</sup>	11 – 14 April	2012	Berlin
11 <sup>th</sup>	3 – 6 April	2013	Utah
12 <sup>th</sup>	13 – 15 Oct	2014	Amsterdam
13 <sup>th</sup>	1 – 5 Sept	2015	Montreal
14 <sup>th</sup>	20 – 22 Sept	2016	Tel Aviv
15 <sup>th</sup>	26 – 29 March	2018	Lisbon
16 <sup>th</sup>	14 – 16 August	2019	New York
17 <sup>th</sup>	7 – 9 September	2021	Bonn (virtual)
18 <sup>th</sup>	3-5 May	2022	Paris



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## Conference venue:

The Nest and P.A. Woodward at the  
University of British Columbia



THE UNIVERSITY  
OF BRITISH COLUMBIA

## CMBBE Symposium Secretariat

Codan Consulting

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Contact: Adina Markova



CODAN  
CONSULTING

## CITY OF VANCOUVER

Vancouver is a vibrant city located on the West Coast of Canada. It's known for its stunning natural beauty, with mountains, forests, and the Pacific Ocean all within reach. The city has a diverse culture, delicious food, and plenty of outdoor activities to enjoy.



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## CMBBE 2024 Main Topics

- Agent-based modeling
- Bacterial and viral mechanics
- Big data and -omics
- Biofluid mechanics
- Bioinformatics
- Biomaterials
- Biomechanics for morphogenesis
- Biomechanics of movement and rehabilitation
- Biomechanics sensing and modeling
- Biomedical image analysis and processing
- Bone & cartilage biomechanics
- Brain biomechanics
- Brain computer interfaces
- Cardiovascular fluid dynamics
- Cardiovascular mechanics
- Cellular and molecular biomechanics
- Inverse problems and parameter identification
- Machine learning and artificial intelligence
- Mechanics in infectious diseases
- Mechanobiology
- Meshless methods
- Multiphysics modeling
- Multiscale modeling
- Musculoskeletal dynamics & neuromuscular control
- Patient-specific modeling
- Plant biomechanics
- Respiratory biomechanics
- Soft tissue biomechanics
- Spine biomechanics
- Sports biomechanics
- Tissue engineering and bioprinting
- Wearables and nearables
- Clinical translation and integration
- Computer-aided surgery
- Contact mechanics
- Dental biomechanics
- Education in CMBBE
- Elastography
- Emerging topics
- Epidemiology
- Ergonomics
- Experimental validation methods
- Finite element and finite volume methods
- Fluid-structure interaction
- Growth and remodeling
- Implants/orthotics/prosthetics/devices/biologics
- Injury biomechanics
- Internet of things

**Abstracts submissions in all fields of computer methods in biomechanics and biomedical engineering will be accepted.**

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## Key dates:

- Abstract submission opens: November, 2023
- Abstract submission deadline: February 19, 2024
- Review notification deadline: April 11, 2024
- Early registration deadline: April 26, 2024

## CMBBE 2024 Partners:



THE UNIVERSITY  
OF BRITISH COLUMBIA



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## Sponsorship & exhibitor mission

CMBBE Symposium is a platform for networking and cooperation for industry and academics. We plan to maximize this experience by introducing the virtual connectivity and allow our participants to interact with industry also via the conference app during as well as post-conference. We plan to reduce printing and any unnecessary waste, therefore almost all conference materials will be available in electronic version. We will encourage our industry partners and delegates to take the same stand.

## Why exhibit at CMBBE 2024?

- Target new clients and launch new products.
- Promote your company image & build your brand.
- Ample networking opportunities with direct access to key leaders
- Establish strategic partnerships
- Demonstrate innovative products
- Build opportunities with existing clients
- Support ongoing education and research in the field
- Promote your company / organisation as a leading supporter of biomechanics and biomedical engineering

The majority of attendees are expected to come from North America and Europe, but also the rest of the world including the Middle East, Asia, Central and South America.

**Expected number of participants:** 300 - 400.

## SPONSORSHIP AND EXHIBITION OPPORTUNITIES

### Sponsorship Package

**4,000 EUR**

- Company flyers insert in the delegates' conference bags
- Company logo and link on the conference website and printed materials
- Email blast to registered delegates
- Full page advert in the printed programme
- 2 free delegate including dinner
- Exhibition space – 4 sqm
- 40% discount on workshop
- Virtual profile in the conference app
- Spot in the demo area

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## Exhibition Package

2,500 EUR

- Company flyers insert in the delegates' conference bags
- Company logo and link on the conference website
- Email blast to registered delegates
- 2 free delegate
- Exhibition space – 4 sqm
- Virtual profile in the conference app

## Workshop

2,000 EUR

- Includes a time slot in the symposium programme
- Email blast to registered delegates

## Exhibition package including workshop

4,000 EUR

- Exhibition space 4 sqm
- Company logo and link on the conference website
- Email blast to registered delegates
- 1 x Company workshop
- Full page advert in the printed programme
- 1 free delegate
- Virtual profile in the conference app

## Exhibition area:

The exhibition is located in the central area of the venue. Lunch and coffee breaks will be held in the exhibition area to increase the networking opportunities among delegates and with the industry.

## BRANDING OPPORTUNITIES AT CMBBE 2024

- **Conference bags** 1,000 EUR
- **Pens & notepads** 500 EUR
- **Lanyards** 500 EUR

The conference bags, the USB programme and the pens & notepads will be handed out to all participants and provide a high level of exposure for your company. You can design the notepads and pens with your company logo.

The production of the promotional items is the responsibility of the sponsoring company (unless agreed otherwise) and it is not included in the sponsorship.





### SCIENTIFIC AWARDS SPONSORSHIPS

Best Scientific Paper and Presentation	700 EUR
Best Presentation in Imaging and Visualization	700 EUR
Student travel grants	500 EUR

The logo of the sponsoring companies will be included in the final programme and on the conference website, as sponsors of the scientific awards. A representative of the company will be invited to hand over the awards together with the chair of the conference.

### IT / Technical Services:

- **CMBBE 2024 app & virtual platform** **1,000 EUR**

CMBBE 2024 App will be available for all participants to access information about scientific programme, exhibition, abstracts and special sessions. Your logo will be visible in the upper part of the app.

- **AV sponsorship** **1,000 EUR**

You will have a slide in between the sessions on the screens in all breakout rooms and in the plenary hall. You can choose the content of your slide whether its company logo and short description or product you would like to promote.

### Social events sponsorships:

- **Welcome reception 30<sup>th</sup> July** **on request**
- **Conference dinner 31<sup>st</sup> July** **on request**

The sponsoring company can have roll-up posters displayed during the social event and their contribution will be made mentioned on the conference website, in the printed final programme and in the opening ceremony of the symposium.

### Advert in the final programme

- Full page A4 inside the programme 500 EUR
- Full page A4 inside back cover 1000 EUR
- Full page A4 back cover 2000 EUR

Insert in the conference bag	500 EUR
Email blast delegates	500 EUR

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## STATISTICS FROM PREVIOUS MEETINGS

CMBBE 2023 Participants		CMBBE 2021 Participants	
<b>Country</b>	<b>#</b>	<b>Country</b>	<b>#</b>
France	114	United States	77
Germany	69	Germany	54
United States of America	62	Belgium	31
Canada	34	France	31
United Kingdom	29	United Kingdom	31
Italy	27	Spain	20
Belgium	25	Italy	13
Netherlands, The	22	Switzerland	13
Spain	17	Netherlands	11
Portugal	17	Portugal	11
India	15	Canada	10
Switzerland	13	China	10
Australia	10	Others	85
Others	102	Total	397
Total	556		