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European Association of Extended Reality

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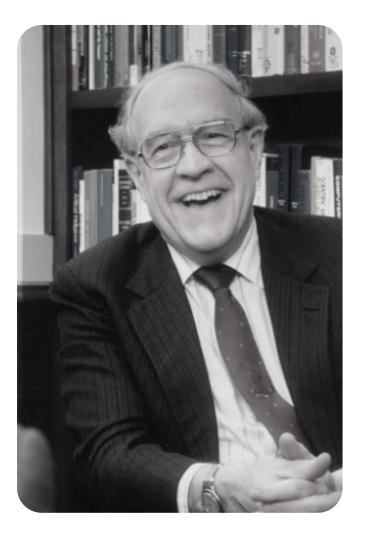
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The official newsletter of EuroXR Association

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### A WARM GOODBYE TO DR. FREDERICK P. BROOKS, JR.



From EuroXR Association we would like to give a warm goodbye to **Dr. Frederick P. Brooks, Jr.** 

Many of you might already know that Fred Brooks passed the away on November 17, 2022.

We lost a giant in the field of computer science and a tremendous inspiration for many.

A multi-award-winning, software engineer, and computer science expert that will certainly leave a void in his research community, family, and friends.

His book **"The Mythical Man-Month: Essays on Software Engineering"** is, among other works, one of the legacies that will keep inspiring many along the years.







### "THE METAVERSE MEETS THE FUTURE OF WORK"

### EUROXR OPEN FORUM AT THE IMMERSIVE TECH WEEK

Director of Science at TNO ICT **Omar Aziz Niamut** was the guest Speaker in EuroXR Open Forum as part of the Immersive Tech Week (ITW), an hybrid session chaired by professor **Gabriel Zachmann** and senior researcher **Patrick Bourdot**.

An enriching discussion on the topic "The Metaverse Meets The Future of Work" that concluded with the following statements:

- What happens in the metaverse does not stay in the metaverse.
- We are heading towards zero distance economy.
- We will see the emergence of reality agnosies.
- We need Europe to play a role in the enterprise metaverse.

### Watch the whole session

**BECOME A MEMBER** 



**Omar Aziz Niamut** Director of Science at TNO ICT



### **WI-FI COALITION**

Last 19th of November, EuroXR as association representative of the Extended Reality industry signed a manifest, as part of a large coalition, to advocates for the allocation for non-licensed use of the upper 6ghz band, to fully engage the industrial potential of next generation Wi-Fi Connectivity.

A new era of communication is affecting all aspects of our daily life. New Wi-Fi technology developments are emerging rapidly and surely pushing us as individuals, as countries, and as industries representatives to move towards achieving the best way to become competitive.

The economy, social communications, and the way we produce are some of the aspects consistently affected by the fast development of new technologies applied to Wi-Fi technology and communication.

**Europe's competitiveness** is significantly influenced as whole when it comes to any technologic development in the world. On this ground, it was an urge to develop the generation of free of licence use of the upper 6ghz band to allow industries to achieve the maximum benefit out of the next Wi-fi generation.

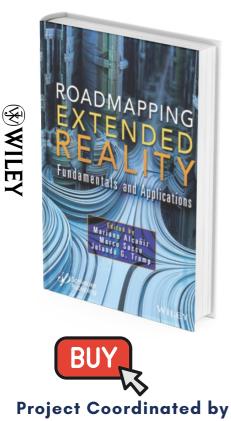




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### ROADMAPPING EXTENDED REALITY: FUNDAMENTALS AND APPLICATIONS



EuroXR Association

XR technologies have overcome the 3 main aspects that were holding it back from mainstream adoption: cost, cables, and size. However, there are many aspects of XR technologies that are now going to be explored and developed that still need urgent research in terms of security, privacy, health and safety, long-term effects, addiction risks, and age-related developmental concerns,

The aim of the book is to inform all readers of these open issues and challenges. There are currently a great number of interdisciplinary researchers and developers working in the XR R&D field. Recently, XR technologies moved from the Gartner Hype Cycle onto the Plateau of Productivity on the Gartner Hype Cycle signaling that the fundamental XR technologies are now deemed mature technologies and ready for deployment in a wide variety of application areas. Corroborated by the fact that XR technologies are part of the future Metaverse, a concept that went rapidly mainstream during the time of writing of this book.

Roadmapping Extended Reality is divided into two parts: (1) fundamentals and (2) applications. The first part covers the main technological aspects of XR. The chapters in this section review and discuss relevant fundamental concepts of XR, the actual state-of-the-art, and future challenges. The second part of the book focuses on covering a wide range of applications of XR including a future roadmap. All in all, the book offers a snapshot of the state-of-the-art in XR and addresses the needs of a multidisciplinary audience working in both academia and the industry, as well as stakeholders at government agencies and non-profit organizations.



DOCTOR MARCO SACCO

#### EDITORS



PROFESSOR MARIANO ALCAÑIL RAYA



PROFESSOR JOLANDA G. TROMP



# DELPHI REPORT A CONSENSUS STUDY ABOUT THE STATE OF XR



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**DELPHI REPORT** A CONSENSUS STUDY ABOUT THE STATE OF XR

#### 2022-2030

Jolanda G. Tromp, Gabriel Zachmann, Jérôme Perret, Beatrice Palacco



The Delphi Report will be FREE for of EuroXR Members part as our committment research for to our members.

<u>ÍM A MEMBER</u>

In order to provide insights into the best approach to further develop XR towards its full potential, the EuroXR Association initiated a study using the well-established Delphi consensus method, drawing on the expertise of independent senior XR experts to formulate future directions for XR R&D. The results are presented in terms of a roadmap for the future of XR, identifying the prerequisites to clear the path for this, and clarifying the roles and responsibilities for the research community, XR the XR the business community, and government and regulation bodies. The main findings of our XR roadmap are summarized into a number of specific areas for the stakeholders to act upon, in order to push the cutting edge of XR and be part of the earlyadopters who have this key enabling technology at their disposal throughout industry, education and society.

#### Aren't you a member yet?

BECOME A MEMBER



# EUROXR23, 20TH INTERNATIONAL CONFERENCE





#### AS PART OF THE CONFERENCE

EuroXR Conference Awards

EuroXR International Conference Publications

EuroXR Open Forum Special Session

### KEEP TUNED FOR NEWS ABOUT THE XR EVENT OF THE YEAR

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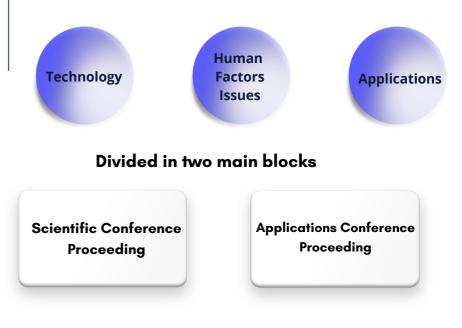


As already announced, the 20th EuroXR International Conference, #EuroXR2023, will take place in **Rotterdam, The Netherlands**, during the Immersive Tech Week!

EuroXR is one of the leading conferences in the field of VR/AR/MR technologies, including software systems, display technology, interaction devices, and applications.

This conference follows a series of successful international conferences aiming at creating a unique human-dimension framework, interconnecting European and international XR communities, for knowledge cross-fertilisations between researchers, technology providers, and end-users.

#### The conference focuses in three main topics:





# NOT AN EUROXR MEMBER YET?





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www.euroxr-association.org

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