

# **Proceedings Web3D 2021**

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# Table of Contents

Preface.....	5
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## Papers 1

Solid and Effective Upper Limb Segmentation in Egocentric Vision.....	Article 1
<i>Monica Gruosso, Nicola Capece, Ugo Erra</i>	

Interactive Volumetric Region Growing for Brain Tumor Segmentation on MRI using WebGL.....	Article 2
<i>Jonas Kordt, Paul Brachmann, Daniel Limberger, Christoph Lippert</i>	

A platform for developing and fine tuning adaptive 3D navigation techniques for the immersive web.....	Article 3
<i>Ahmed Kamal, Carlos Andujar</i>	

Sharing Ambient Objects Using Real-time Point Cloud Streaming in Web-based XR Remote Collaboration .....	Article 4
<i>Yongjae Lee, Byoungyun Yoo, Soo-Hong Lee</i>	

## Papers 2

X3D Field Trips for Remote Learning .....	Article 5
<i>Nicholas F. Polys, John Munsell, Kathleen Meaney, Benjamin Addlestone</i>	

X3D and glTF Model Differencing for Conversions, Comparison and Conformance Testing .....	Article 6
<i>Rick Lentz, Don Brutzman, Michalis Kamburelis</i>	

VIA: Visibility-aware Web-based Virtual Reality.....	Article 7
<i>Carter Slocum, Jingwen Huang, Jiasi Chen</i>	

X3D Audio Graph for the consistent declarative representation of the W3C Audio API.....	Article 8
<i>Eftychia Lakka, Maria Papadaki, Don Brutzman, Richard Puk, Athanasios G. Malamos</i>	

## Papers 3

Supporting Web-based Collaboration for Construction Site Monitoring.....	Article 9
<i>Andreas Dietze, Paul Grimm, Yvonne Jung</i>	

Resurrect3D: An Open and Customizable Platform for Visualizing and Analyzing Cultural Heritage Artifacts.....	Article 10
<i>Joshua Romphf, Elias Neuman-Donihue, Gregory Heyworth, Yuhao Zhu</i>	

How long do you want to maintain this thing? Understanding the Challenges Faced by WebXR Creators .....	Article 11
<i>Misbahu Zubair, Nnamdi Anyameluhor</i>	

## Special Session: Online Legacies and Cultural Heritage

### Theme I: Building Communities Through Digital Engagement

Augmented Reality for Digital Placemaking: Public Art in Clearwater, Florida.....	Article 16
<i>Laura K. Harrison, Rosemary D'Amour, Howard Kaplan, Christopher Hubbard, Eric Santiago</i>	

Preserving the Past for an Uncertain Future: Accessible, Low-Cost Methods for 3-D Data Creation, Processing, and Dissemination in Digital Cultural Heritage Preservation .....	Article 17
<i>Sarah Benchekroun, Isaac I.T. Ullah</i>	

# Table of Contents

## Special Session: Online Legacies and Cultural Heritage

### *Theme II: Fungaging with the Past*

In Ersilia's Footsteps:

Toward an Interactive WebGL Application for Exploring the Villa Romana del Casale at Piazza Armerina, Sicily ..... Article 12  
*Rhodora G. Vennarucci, Davide Tanasi, David Fredrick, Nicholas Reynolds, Kaitlyn Kingsland, Brianna Jenkins, Stephan Hassam*

### *Theme III – Publishing 3D Data in Archaeology*

Archaeological Publication Systems: Which route to take? A compass for addressing future development ..... Article 13  
*Paola Derudas*

Challenges of publishing 3D data in archaeology ..... Article 18  
*Bernhard Fritsch*

### **Poster Abstracts**

Invisible Heritage - Analysis and Technology Digital Platform ..... Article 14  
*Dante Abate, Kyriakos Toumbas, Marina Faka*

Interactive animation on Directional derivatives & Level curves ..... Article 15  
*Sayra Ranjha, Vera Hoveling, Beryl van Gelderen, Fokko van de Bult, Dennis den Ouden-van der Horst, Christophe Smet, Marijn Roelvink, Ilse Bakker*

Organizing and Program Committees ..... 6  
Author Index ..... 7

## Preface

The goal of Web3D 2021 is to share innovative and creative ideas about web-based interactive 3D applications. This year's theme is "A Shared 3D Workspace" to emphasize the increasingly global scope and the wide impact of working together online, which has been the staple of the last year. The sudden switch to remote teaching/working/socializing raised many urgent requests for new tools, systems, and paradigms. These new needs also touched the 3D world, prompting the Web3D community to foster and support the increasing development and use of 3D content in a shared online environment. This year to further highlight the exacerbated need of getting connected together, we expanded the traditional Web3D conference to different tracks. We now have a brand new cultural heritage (CH) track, where CH experts and scholars created and provided to the community novel means to virtually share and communicate their findings through the web even during uncertain and tough times as the ones we are living.

We continue to offer great and better tutorial courses and workshops to share knowledge, the key concepts, and topics of interest for our thriving community that has not been stopped by the pandemic: it has flourished greater than before. Last but not least, industrial sessions. They are here and crucial to expanding our community and reaching out to industrial partners, companies, and professionals.

As in the past, the organization of this event could not happen without the SIGGRAPH organization and the Web3D Consortium giving us the best tools to achieve a high-quality conference and connecting us to the top-notch professionals in the organization to make this possible. In terms of organization, this year has been a long run, where we got up early in the morning to meet for face-to-face meetings trying to achieve an enjoyable and top conference. That said, it has been a pleasure and an experience we would repeat without hesitation.

We believe that "a shared 3D workspace" is not only a catchy phrase but the beginning of a new thriving and exciting era where we will be part and looking forward to outstanding outcomes that will happen.

We greatly thank ACM SIGGRAPH, Khronos, and IVN for supporting Web3D 2021 and making it possible to have again a free conference to be enjoyed by a vast public to expand their horizon and to take home our message, our belief, our mantra: "a shared 3D workspace".