

I-DEMO proposal for IDW '23

1. Title of demo

360-degree Augmented Reality Visualization for AR Tour
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Note to paper presenters: The demo title can be different from the manuscript title.

2. Name of the person(s) and affiliation(s) who performs demonstration

Name			Affiliation
First	Middle	Last	
John		Smith	ABC Corporation
Mary		White	ABC Corporation

Note: Please list the names of all the people who will be participating in the demonstration in-person. All people in this list must pay the conference registration fee.

3. Corresponding person

Name			Email address
First	Middle	Last	
John		Smith	johnsmith@abc.com

4. Submission number

If you are a paper presenter, please enter your submission number given by the paper submission system, which is either C00xxxx or LN- C00xxxx.

C000999

5. Special invitation code

If you have IIDM-Code, please enter your code.

None

6. Summary

Write a 100 words summary of your demo.

We will demonstrate our innovative Augmented Reality touring system that shows augmented 360-degree picture to its user via HMD. The demo system consists of a computer and an HMD as shown in Fig. 1 (a). The system first enhances the original 360-degree photo using some Deep Learning technique (Fig. 1 (b)). The user views the enhanced photo via HMD (Fig. 1 (c)). Our demo is the first AR system that introduces deep learning based image enhancement.
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7. Representative picture(s)

Put representative picture(s) of your demo. Those pictures can be either real pictures or sketches of your demo.



Figure 1. Overview of our demo. (a) A user wearing an HMD in the demo environment, (b) A 360-degree picture, (c) AR view.

8. URL(s) of your demo video

Write a list of URL(s) if your demo video is available online.

None