# I<sup>4</sup>D Contest proposal for IDW '25

#### 1. Title of demo

360-degree Augmented Reality Visualization for AR Tour

### 2. KOSEN name

**ABC Technical College** 

# 3. Team (Lab or Club) name

Science Club

Note: Write laboratory or club name if your team is from a single laboratory or club.

### 4.Team members

Name		Affiliation	School grade	Presenter?
First	Last	(Lab/Club, KOSEN)	if KOSEN student	(o or x)
Alex	Smith	Science Club,	3	
		ABC Technical College		
Mary	White	Science Club,	2	0
		ABC Technical College		
Taro	Yamada	Science Club,	2	X
		ABC Technical College		
Hanako	Tanaka	ABC Technical College		X
Jian	Wang	Technology Lab,	2nd year of docter c	X
		XYZ University	ourse	
Sugoi	Sensei	Technology Lab,		X
		XYZ University		

Note: Write o if the member will be participating in the demonstration in-person (only Kosen students c an be presenters).

### 5. Contact persons

Name E-mail address
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	First	Last	
Team Leader	Alex	Smith	asmith@gmail.com
Liaison Professor	Qiin	Tanaka	qtanaka@abc-k.ac.jp

## 6. Summary (100 words for English, 日本語は300文字)

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.

#### 7. (Optional) Representative picture(s)

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

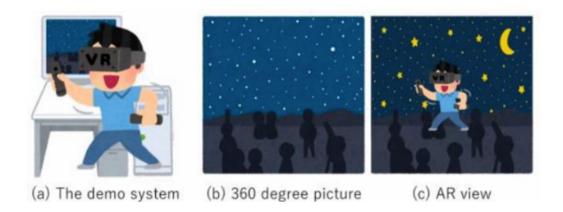


Figure 1. Overview of our demo. (a) A user wearing an HMD in the demo environment. (b) A 360-degree picture. (c) AR view.

### 8. (Optional) URL(s) of your demo video

Write a list	of URL(s) if your de	emo video is available	e online.	