

# I4D 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 (Lab/Club, KOSEN)	School grade if KOSEN student	Presenter? (o or x)
First	Last			
Alex	Smith	Science Club, ABC Technical College	3	<input type="radio"/>
Mary	White	Science Club, ABC Technical College	2	<input type="radio"/>
Taro	Yamada	Science Club, ABC Technical College	2	<input checked="" type="checkbox"/>
Hanako	Tanaka	ABC Technical College		<input checked="" type="checkbox"/>
Jian	Wang	Technology Lab, XYZ University	2nd year of doctor c ourse	<input checked="" type="checkbox"/>
Sugoi	Sensei	Technology Lab, XYZ University		<input checked="" type="checkbox"/>

*Note: Write o if the member will be participating in the demonstration in-person (only Kosen students can 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 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. (Optional) URL(s) of your demo video

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