



Artificial Intelligence Revolution in Interior Design

Mohammed Bunkheila 2633

Faculty of Information Technology, Libyan International Medical University



Introduction

The Artificial Intelligence idea is a big change in our era for all of different work fields around the world, such as (technology, medicine, engineering, social media, smartphones, manufacturing, assistants, business and advertisement, etc.). The main idea of this research is about Artificial Intelligence Improvement and changes, designers replacing, and assistance in Interior Design.

Problem Statement

The talk about replacing interior design designers or losing their job has gotten bigger, and there is a lack of knowledge and few studies about the truth behind this move and its side effects.

Objectives

The main purpose of this study is to show how this advanced (AI) systems have made a great change in the interior design industry, making it more capable with modern technology and reaching with it a whole new vision.

Research Question

Q1: How effective are Artificial Intelligence systems in helping designers save time?

Q2: In terms of work opportunities, can Artificial Intelligence replace designers?

Literature Review

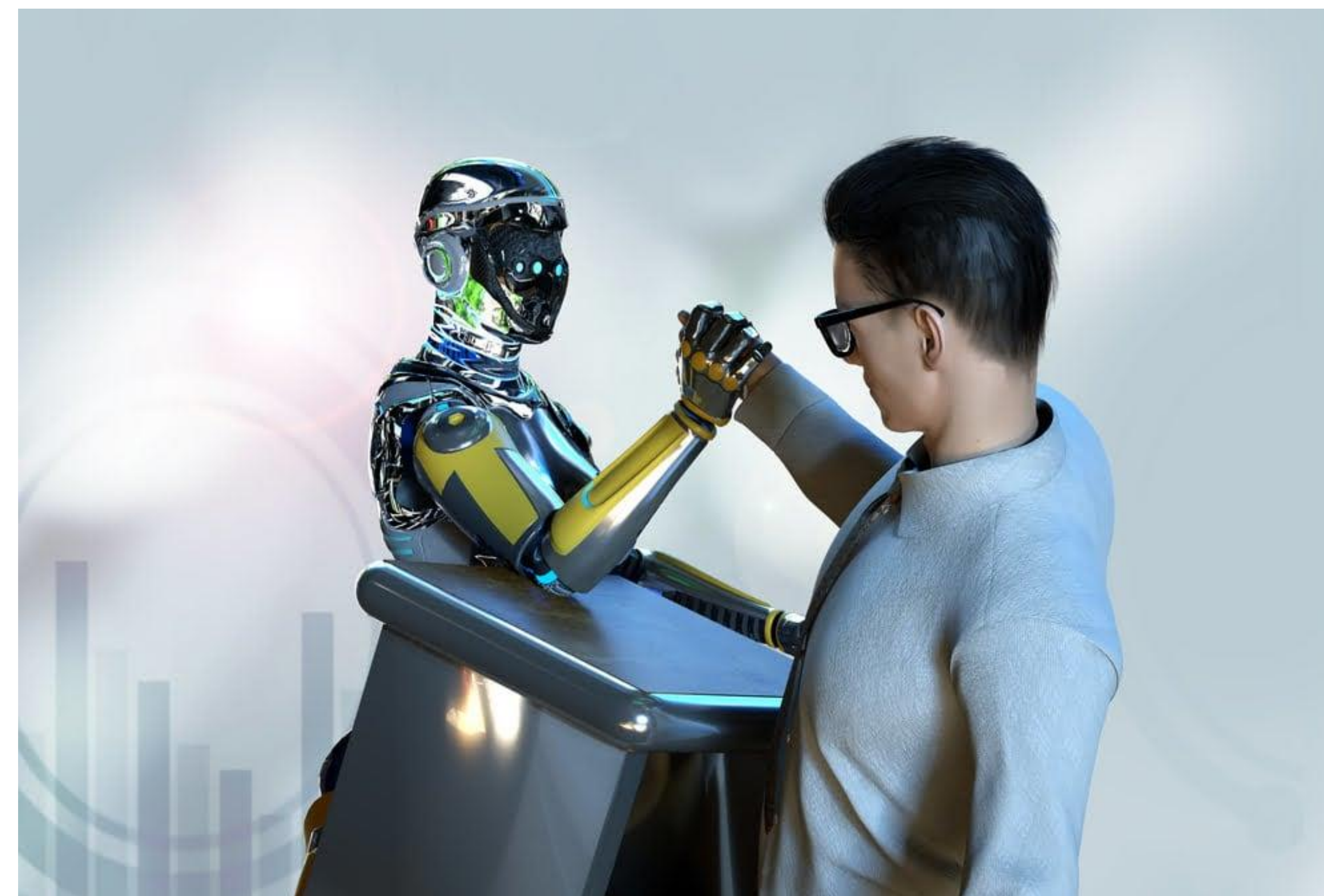
In general, recent interior design is more likely to be used more than older ones, with the fact that this modern technology shows that it really attracts people to study interior design thoroughly. AI is the new favorite technology in the design, from the improvements and capability it makes to the time that has been saved in projects.

- Example of the used powered solutions in AI, requires your phone camera that has LIDAR (Light Detection and Ranging).
- Another different example of AI systems that a lot of articles and studies like foyr [1] have mentioned. It's Autodesk Maya, was founded in (1998) and started working in the initial release in September 2022. It's a 3D computer graphics that creates assets for interactive 3D visual effect.



Many people and studies have threatened designers from AI entering the business, and even Mr. Neil leach, a well-known British architect says in his book (Architecture in The Age of AI) "the death of the architect", referring to AI replacing designers [2].

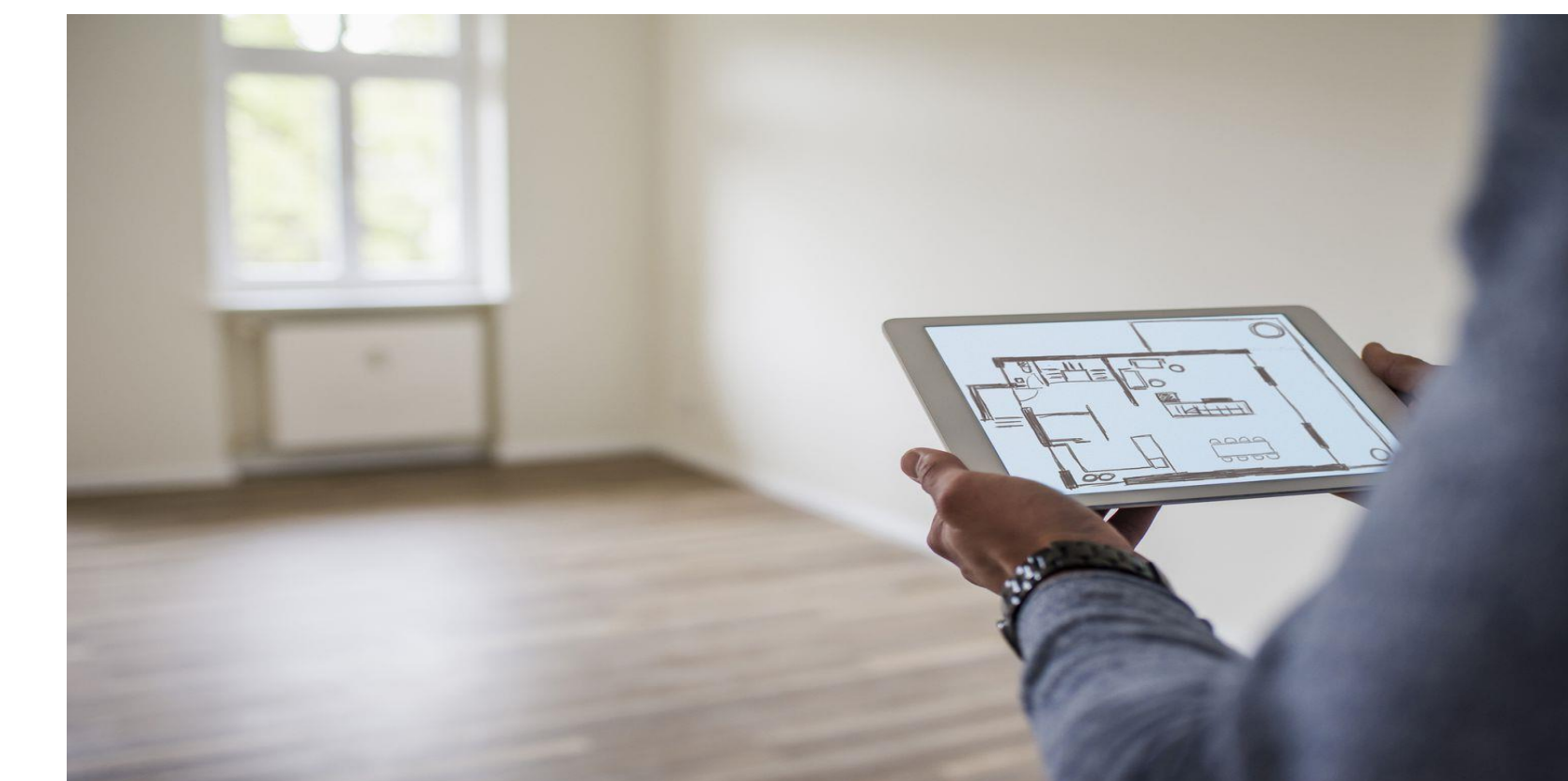
The truth about this situation is that AI won't replace designers. Perhaps it will reduce the gap between the client and the designer creative. The majority of people and designers agreed with it. Study made by ciao green (2019) added that AI link the client's idea with the designer virtualization [3].



Method

All data were collected by questionnaire method; it's the most fit-in method that can work well with our study because of calculations and comparing whether using AI or not will affect work. We reached a result after different observations of nearly 50 students/designers who agree on the effectiveness that AI can provide to help designers in general and specifically saving time.

Replacement of designers and low work opportunities won't be soon yet. Thus, a comparison between designers' work without AI showed a massive time delay and lack of creativity and accuracy compared to with AI. So we will continue to set that AI will work fine helping designers with their work, getting more accurate and saving time. Proving that AI will perform tasks that can give designers a space of creative.



Anticipated Results

The anticipated result of this research is that AI will have a real useful major impact and changes in this industry, and we will raise our local's knowledge to deal with AI, supporting them to give their best in their job.

Conclusion

The Interior design field without AI is missing a step forward to be great and capable of challenges in the present. AI can fit this gap by its advanced technology, updated system and tools to see a new vision that can make the industry bigger.

References

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3. Green CA. How AI Will Revolutionize Interior Design Industry. 2019 [cited 2019 Jul 16]. Available from: <https://medium.com/@ciaogreen/>