

# **Artificial Intelligence Text-to-Image Generation in Art and Design Teacher Education A Creative Tool or a Hindrance to Future Creativity?**

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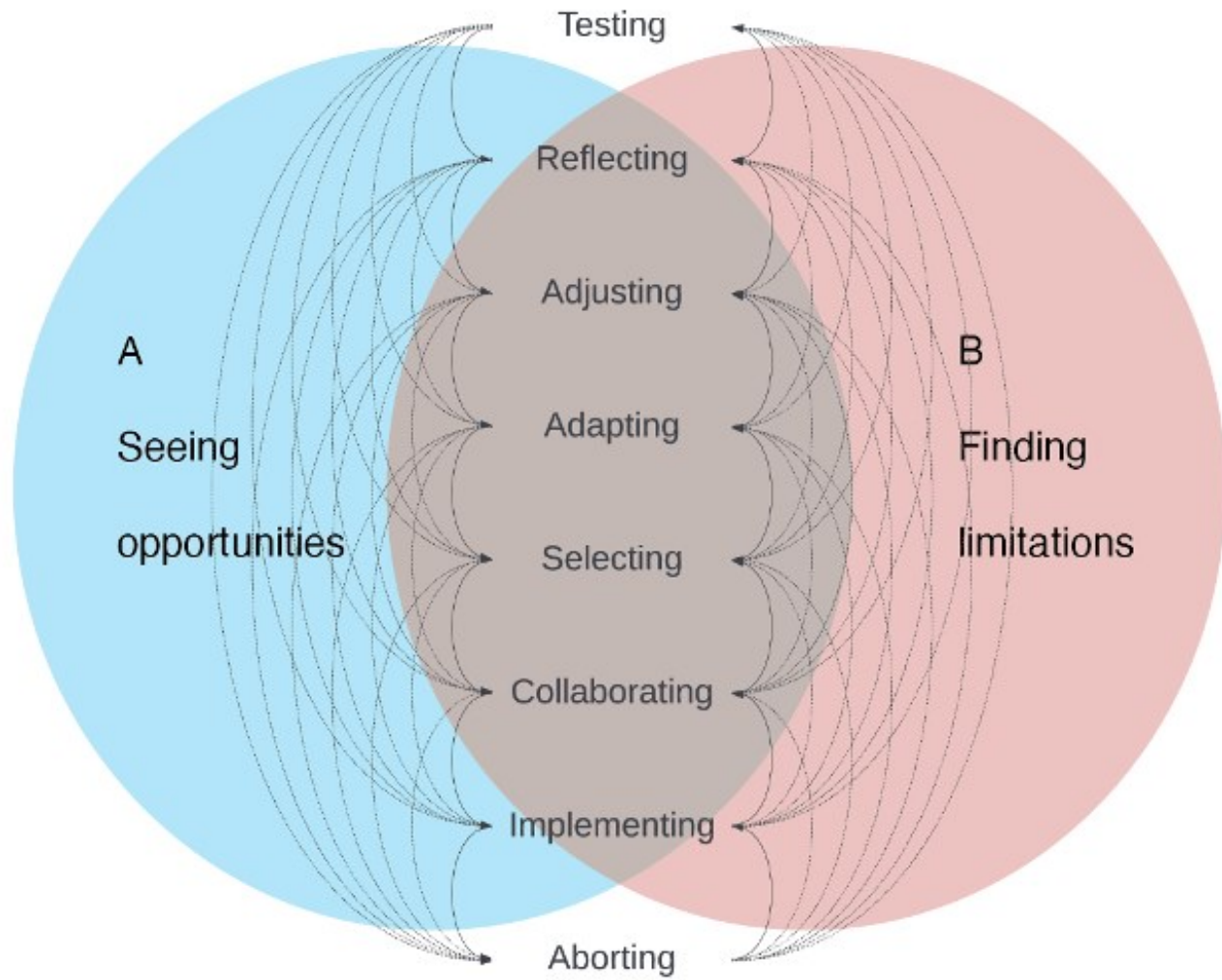
# Introduction

- A new form of manifesting prefigurative thinking?
- Creating by prompting
- A need to adapt Art and design teacher education
- *How can AI text-to-image generators contribute to and change art and design teacher education?*



# Methodology

- Explorative experiments of AI text-to-image generators, November 2022 to May 2023
- Reflective dialogue in frequent meetings
- Online ethnography on the Midjourney server on Discord at three different timepoints
- Thematic analysis to discover AI text-to-image generators' potential for learning, limitations, and hindrances, as well as issues of interaction and possible contexts.





A proposed representation of the cyclic human user and AI text-to-image interactive learning process


Play with imagination:  
A training exercise in prefigurative thinking?



# An online arena for sharing and collaborative creativity

 **anthropology** Today at 2:18 PM  
I am prompting to get a Marge Simpson human like model but it keep creating a cartoon...is there a simple addition to make it focus on making a human like model?

 **@anthropology** I am prompting to get a Marge Simpson human like model but it keep creating a cartoon


 **InfoGuru** Today at 2:19 PM  
put "photograph of" at the beginning and do not use words like hyperrealism, hyperrealistic.  
👍 1


 **@anthropology** I am prompting to get a Marge Simpson human like model but it keep creatin...

 **InfoGuru** Today at 2:21 PM  
It works. Very simple. Just ask for what you want... photograph of Marge Simpson.


**photograph of "Marge Simpson" --v 5.1 - @InfoGuru**





 **@anthropology** I am prompting to get a Marge Simpson human like model but it keep creating a cartoon


 **InfoGuru** Today at 2:26 PM  
You can also add descriptors. In this case I added "middle-aged" but how you want her to look is up to you. I didn't specify an expression so this is the default MJ gives it. (edited)

**photograph of middle-aged "Marge Simpson" --v 5.1**

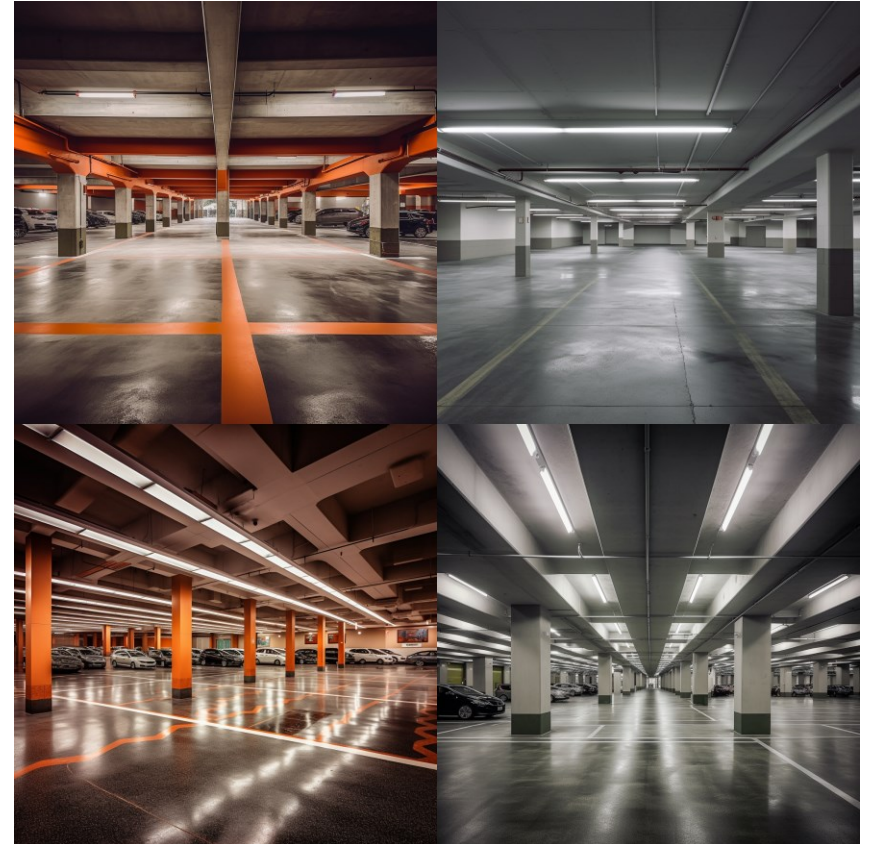


 **@InfoGuru** You can also add descriptors. In this case I added "middle-aged" but how you want her to look is up to you.

 **InYourFAYCE** Today at 2:33 PM  
You mean... like this?



A visual aid  
for developing  
perspectives  
and  
composition



Chasing the  
centaur, not  
getting what  
one wants

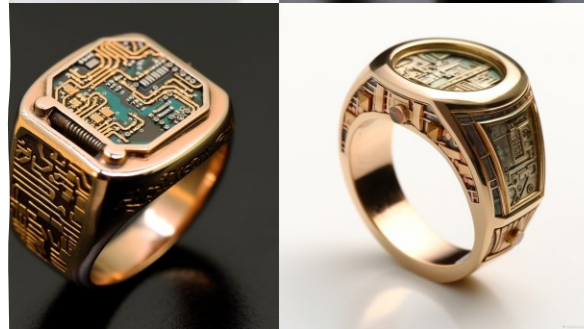




Ethics, bias,  
copyright  
and  
censorship



A multitude  
of idea  
generations



# AI and the future creative learning process

- Potluck visualisation as a tool for creativity
- The 'concept-articulating catalyst wizard', a changing role of the image creator?
- Developing and strengthening a visual reference language
- A cop-out?

