DESIGN PROCESS SUPERCHARGED

AI AIDED DESIGN (AAD) IMPLICATIONS IN DESIGN EDUCATION

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The application of Artificial Intelligence (AI) tools in the design process is a rapidly growing trend. Many designers currently experiment in generating both text and image-based AI aided Designs (AAD). At the same time, the NYC school district has announced a ban on using ChatGPT, an AI chatbot, citing concerns over a possibly negative impact on critical thinking development. The impact of AAD on design education is obvious, but many questions remain unanswered.

We are proposing an Interactive Panel Discussion—following the form of a classic debate—that brings this important topic to the design education community. Mainly, we intend to cast light on the question "How should AAD be used in education?" By selecting a panel with varying backgrounds, we will provide insights on the topic from both ends of the spectrum: From "What are the concerns with utilizing AI Tools in the design process?" to "Which opportunities are encouraged by open access?"

We are structuring the discussion to achieve these three main outcomes:
1. Attendees will gain a deeper understanding of the future implications of using AI tools in industrial design and develop an overall stance of the IDSA community on the topic.
2. Attendees will have the opportunity to engage in critical thinking and discussion about the topic and its future implications.
3. Attendees will have the chance to connect and share their approach to include this topic in the curriculum.

Keywords: Artificial Intelligence, AI, AI aided Design, AAD, Design Process, Design Education

1. PANEL DISCUSSION DESCRIPTION

The application of Artificial Intelligence (AI) tools in the design process is a rapidly growing trend. Many designers currently experiment in generating both text and image-based AI aided Designs (AAD). At the same time, the NYC school district has announced a ban on using ChatGPT, an AI chatbot, citing concerns over a possibly negative impact on critical thinking development. The impact of AAD on design education is obvious, but many questions remain unanswered.

We are proposing an Interactive Panel Discussion—following the form of a classic debate—that brings this important topic to the design education community. The panel should contain of two guests that argue for the advantages and two guest that argue for the disadvantages. Two moderators ask prepared questions and engage with the audience.

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We already have a shortlist of potential panelists. We also have a continuously growing list of questions as this topic quickly evolves further. The panel discussion could pick up where the current innovation magazine ended. Rather than publishing a paper about this topic, we recommend that a recording of the panel discussion including the engagement of the audience is made available to the IDSA community.