ARTIFICIAL INTELL GENCE & THE NEW CREATIVE PARADIGM.



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CREATIVITY

"Every block of stone has a statue inside it and it is the task of the sculptor to discover it".

Michelangelo

(1475 – 1564)



WHAT IS CREATIVITY?

VALUE NOVELTY

Source: Boden, M. A. (2007). Creativity in a nutshell. Think, 5(15), 83-96.



3 MODES OF CREATIVITY

Combinational Creativity

Unfamiliar combinations of familiar ideas.

Exploratory Creativity

Generating new outcomes within existing boundaries or rules.

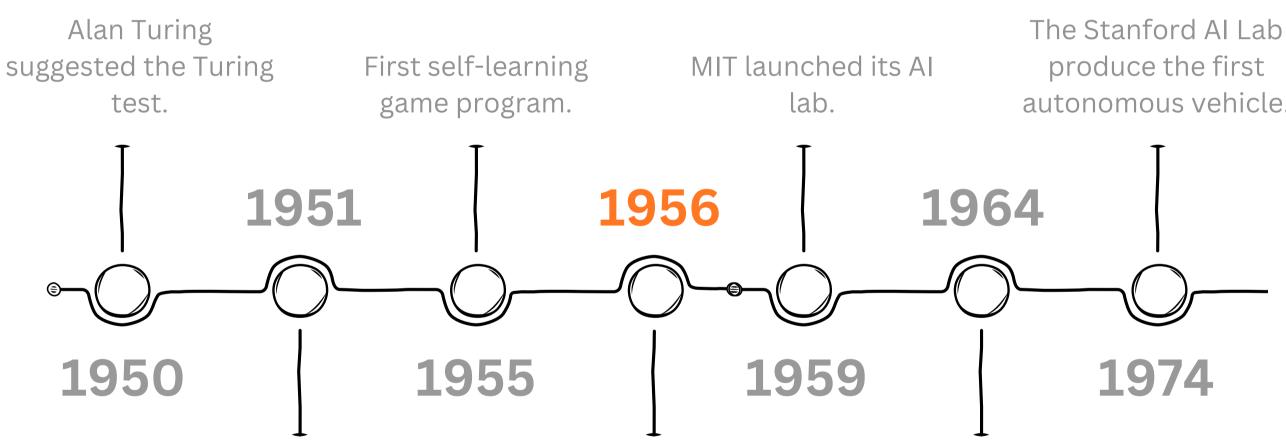
Boden, M. A. (2010). Creativity and art: Three roads to surprise. Oxford University Press.

Transformational Creativity

Breaking away from existing boundaries or rules to generate novel outcomes.



BRIEF TIMELINE OF AUTOMATION



The first AI program was developed by Christopher Strachey. A chess-playing program written by Dietrich Prinz).

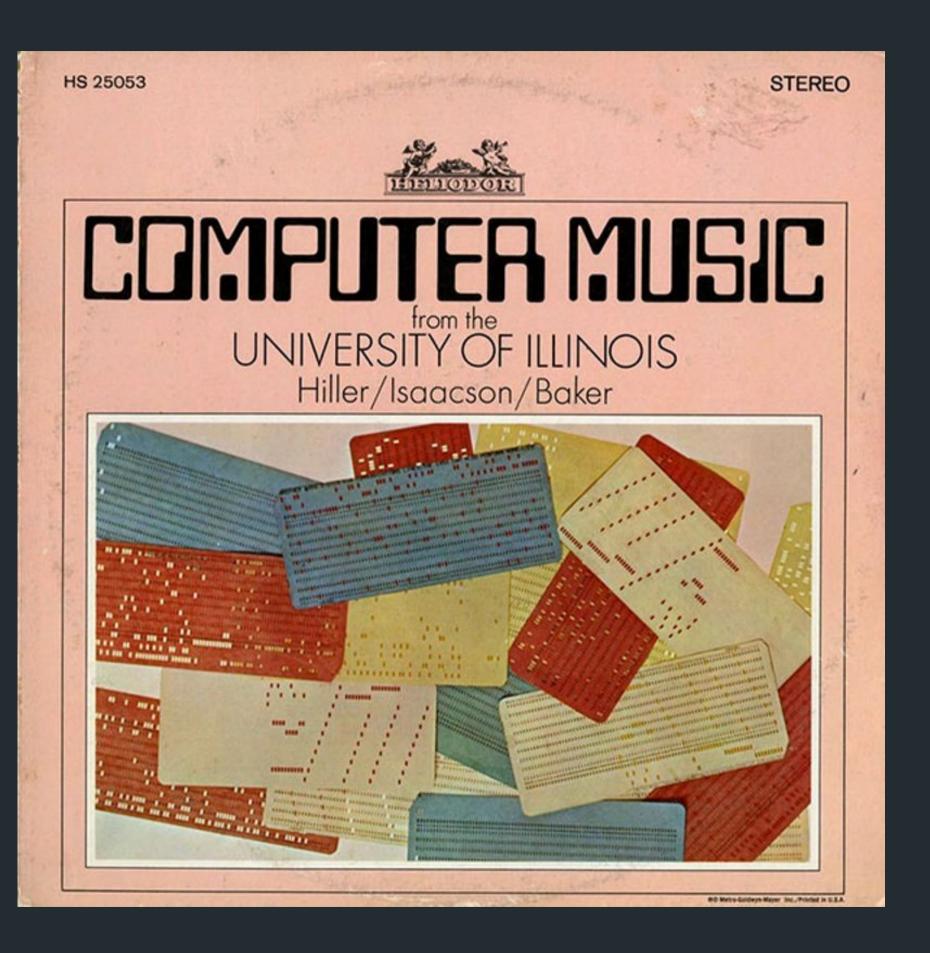
John McCarthy, during an academic conference proposed the term "artificial intelligence".



produce the first autonomous vehicle.

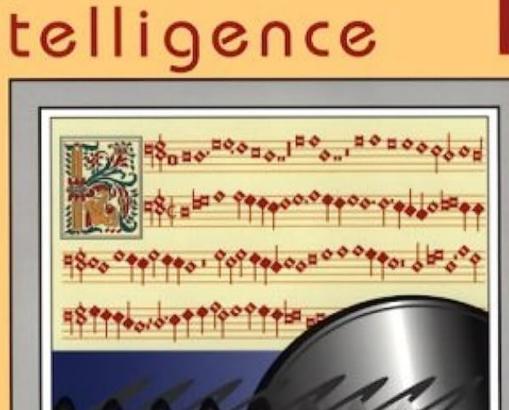
The first Chabot (called Elisa) was invented.

956 HILLER AND ISAACSON **COMPLETE THE ILLIAC SUITE**



EXPERIMENTS IN MUSIC INTELLIGENCE BY PROF. DAVID COPE

DAVID COPE

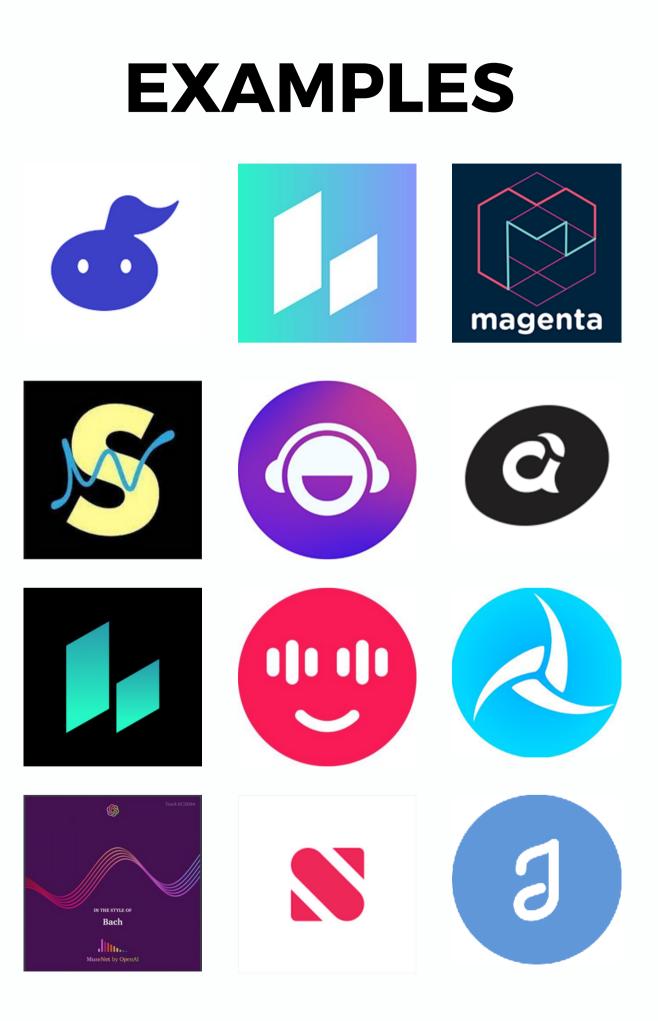


Experiments in Musical Intelligence

VOLUME 12

THE COMPUTER MUSIC AND DIGITAL AUDIO SERES

VARIOUS **MUSIC AI** TOOLS ARE RELEASED ANNUALLY

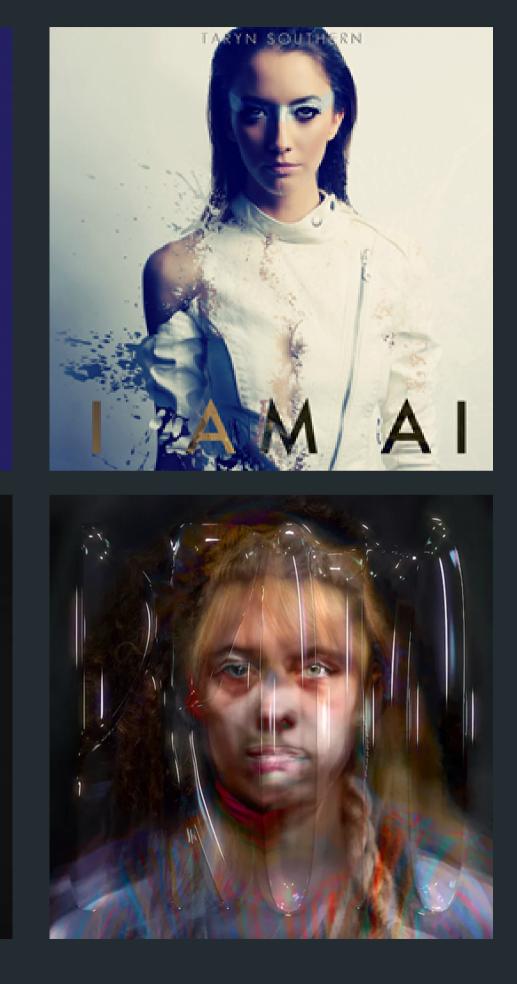


VARIOUS POP ARTISTS **ADOPT AI TO** COMPOSE

- Tyran Southern
- SKYGGE
- Holly Herndon
- YACHT







2023THE BEATLES WILL RELEASE ATRACK USING AI





ARTIFICIAL CO-CREATION

COMPUTER

Tool Assistant C

Collaborator

Increasing degree of creative agency

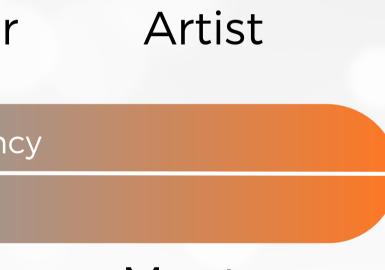
Decreasing degree of control

Artist

Collaborator

HUMAN

McCormack, J., & d'Inverno, M. (2014, April). On the future of computers and creativity. In AISB 2014 Symposium on Computational Creativity, London.



r Mentor



UNDERSTANDING THE ACCEPTANCE OF ARTIFICIAL CREATIVITY.

STUDY 1

How do listeners react to artificially composed music?

Tigre Moura, F., & Maw, C. (2021). Artificial intelligence became Beethoven: how do listeners and music professionals perceive artificially composed music?. Journal of Consumer Marketing, 38(2), 137-146.

INSIGHTS



Rather negative attitude towards Al genrating music.



Participants do not mind the use of AI for music generation, as long as they enjoy what they hear.

STUDY 2

Value and creativity perceptions of different artistic product types.

Tigre Moura, F., Castrucci, C., Hindley, C. (2023). Artificial Intelligence Creates Art? An Experimental Investigation of Value and Creativity Perceptions. Journal of Creative Behavior.

INSIGHTS



The type of product plays a significant role on the acceptance of AI in the production process



Emotional value was not affected by the use use of AI during the production process.

STUDY 3 In Kompass Project

Live FM: FAN MONITOR



Analysis of attitudes and behavioral trends of music fans in **Germany** and **Scotland** during the Covid-19 pandemic.

Edition





20 21 Edition

An analysis of attitudes and behavioral trends of music fans in Germany and Scotland.

Francisco Tigre Moura Damian Leschik Sandro Carnicelli Filho Gayle McPherson Emma Reid



20 22 Edition

An analysis of attitudes and behaviors of music fans in Germany towards technology innovation and sustainable consumption.

FRANCISCO TIGRE MOURA DAMIAN LESCHIK

IU INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

LIVEINNOVATION. ORG

ADOPTION OF AI TOOLS WILL LEAD TO GREATER ACCEPTANCE



CURRENT CREATIVE PARADIGM

Human intentionality
Human skill and expertise
Novelty
Value

Sternberg, R. J., & Karami, S. (2022). An 8P theoretical framework for understanding creativity and theories of creativity. The Journal of Creative Behavior, 56(1), 55-78.



THE NEED FOR A PARADIGN SHIFT

Understanding of creativity Human and Al co-creation The role of skill and expertise Creativity of non-creatives Intentionality of algorithms

Tigre Moura, F. (2023). Artificial Intelligence, Creativity, And Intentionality: The Need for A Paradigm Shift. Journal of Creative Behavior.





THE FUTURE OF ARTIFICIAL CREATIVITY FASCINATION & FEAR





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