

HUMAN-CENTERED AI

by Ben Shneiderman



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HUMAN-CENTERED AI



Ben Shneiderman. *Human-Centered AI*.
Oxford University Press, 2022.

Vortrag von Ben Shneiderman:

<https://youtu.be/o5XwcZIERvM>

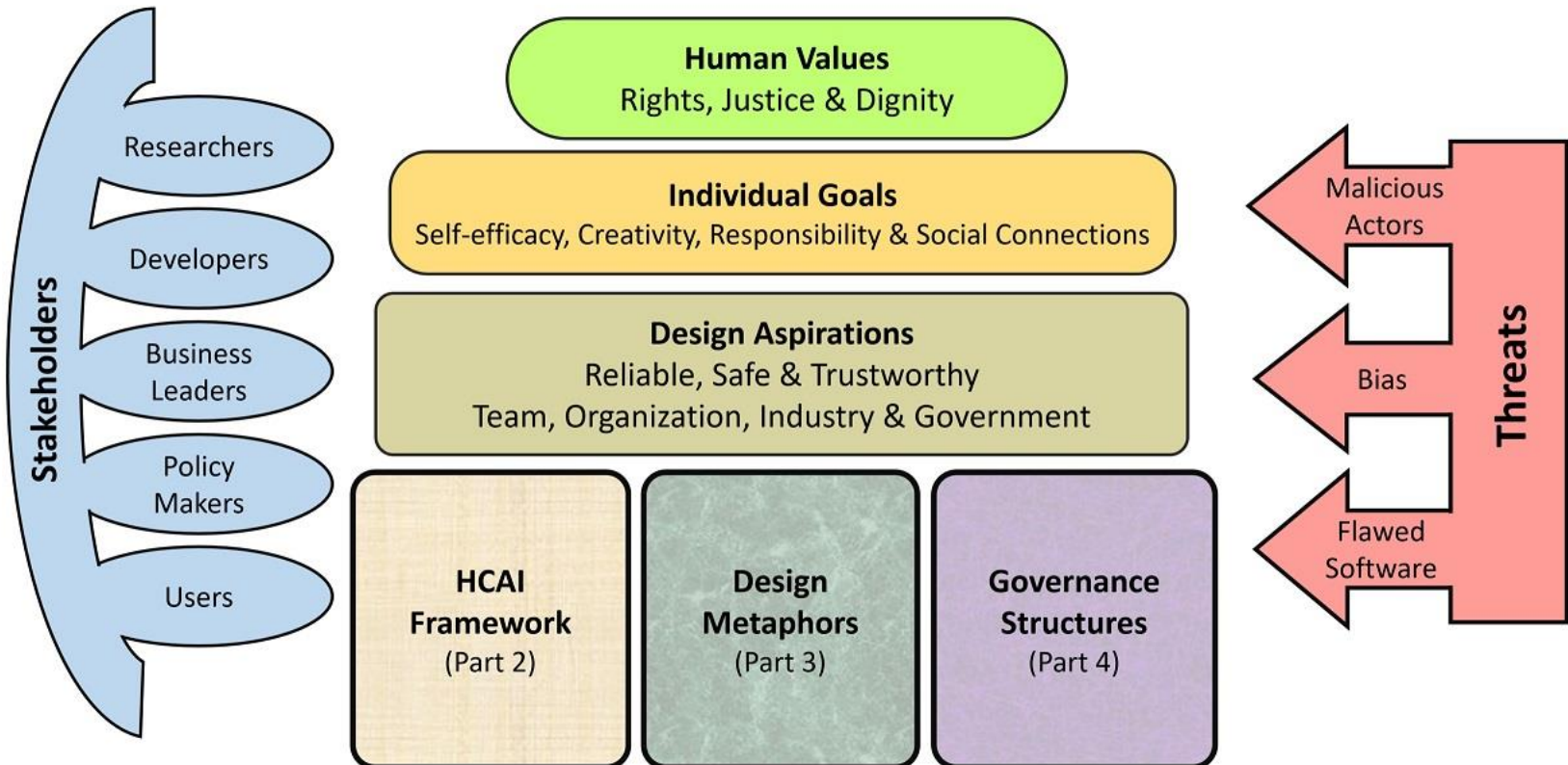
Website:

<https://hcil.umd.edu/human-centered-ai/>

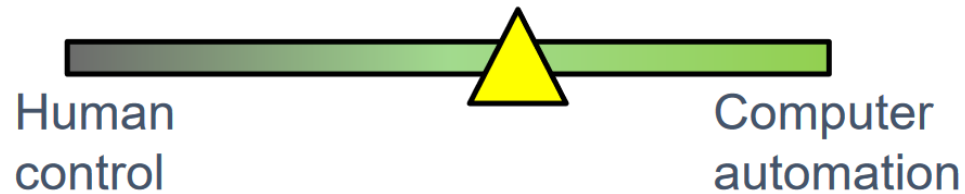
HUMANS IN THE GROUP

COMPUTERS IN THE LOOP

WHAT IS HUMAN-CENTERED ARTIFICIAL INTELLIGENCE?



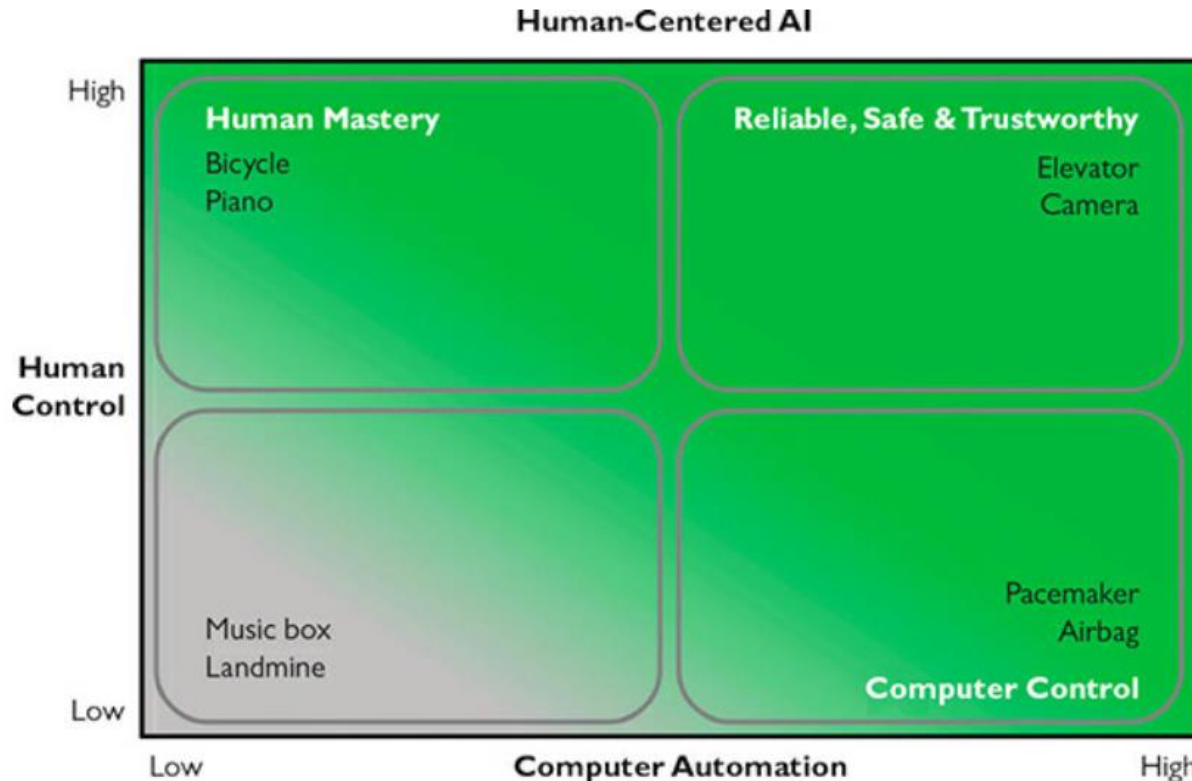
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Misleading one-dimensional thinking suggests that designers must choose between human control and computer automation

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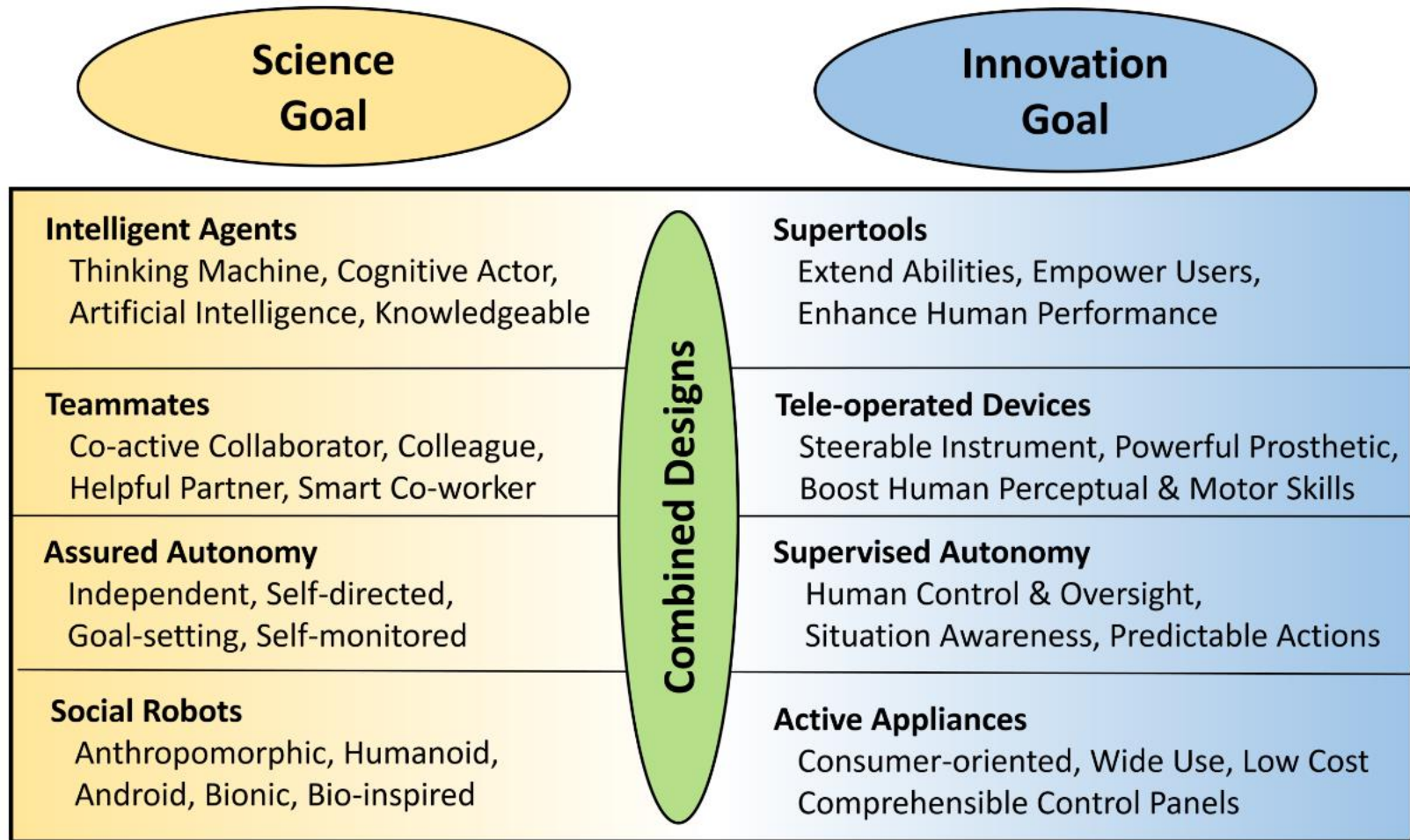
HUMAN-CENTERED AI FRAMEWORK



Two-dimensional framework with the goal of reliable, safe, and trustworthy designs, which are achieved by a high level of human control and a high level of computer automation

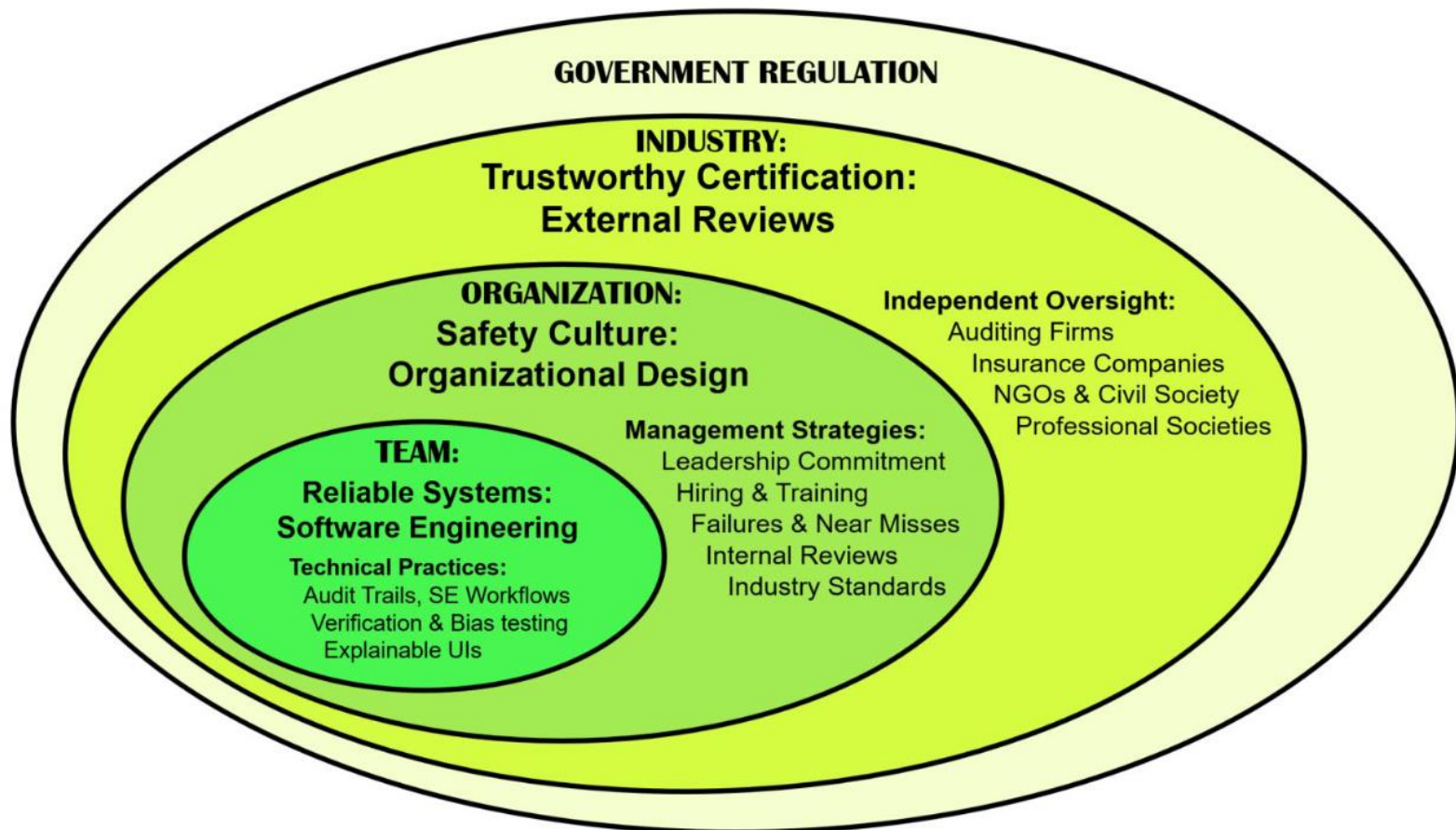
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DESIGN METAPHORS



Quelle: <https://iui.acm.org/2021/images/HCAI-IUI-Part%201-Shneiderman-4-13-2021-v2.pdf>

GOVERNANCE STRUCTURES



ACM TIIS (Oct 2020) <https://dl.acm.org/doi/10.1145/3419764>

<https://iui.acm.org/2021/images/HCAI-IUI-Part%202-Shneiderman-4-13-2021-v2.pdf>