# NEW RELATIONS WITH GENERATIVE 2024





#### - Iskander Smit -

#### making sense of unpredictable futures in human-Al partnerships





Target\_is\_New targetisnew.com

**Cities of Things** citiesofthings.org





**Wijkbot (Hoodbot)** wijkbot.nl

ThingsCon thingscon.org

## NO FUTURE WITHOUT A PAST



# Co-performing with Al in the physical world: how we can design visualizations and interactions for generative outputs

#### **3 QUESTIONS** THAT INSPIRED THIS PRESENTATION....

What will the generative things be like?

How will we understand the intentions of these new co-performing generative things?

What will this mean for designers of generative things?





# cities of things



How will we live together with intelligent things?

illustration by Maria Luce Lupetti







#### **Near Future Cities of Things: Addressing Dilemmas through Design Fiction**

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No.

Amsterdam University of Applied

#### Abstract

The smart city infrastructure will soon start to include smart agents, i.e., agentic things, which co-exist and co-perform with human citizens. This near-future scenario explores the flexible types of collaborations and relationships between the human and nonhuman citizens. Drawing on current technology forecasts and AI/robotics literature, we created five fictional concepts for reflecting on themes we deem important for such collaborations: responsibility, delegation, relationship, priority, and adaptation. The promises, challenges and threats of these themes are discussed in this paper, together with the new questions that were opened up through the use of design fiction as a method.

#### Author Keywords

Design fiction; future scenario; smart cities; coperformance; agentic things; dilemmas.

#### ACM Classification Keywords

H.5.m. Information interfaces and presentation: Miscellaneous.

#### Introduction

The smart cities operate with sensors embedded in the urban infrastructure to collect all sorts of data, a digital



citiesofthings.nl

## **THINGS AS CITIZENS**

#### **THINGS AS SOCIAL ENTITIES**

Data-enabled artefacts with performing capabilities

Able to:

- Connect with existing networks of data
- Sense and collect real time data
- Act proactively
- Behave socially



Relationships

#### Dilemmas

Responsibility private – public

**Priority** 

Relationship

Adaptation human – thing

Delegation partial - total



- human system
- tool social partner



### CO-PERFORMANCE LIVING IN CONCERT WITH THINGS WITH ACENCY



#### positioning agency

#### human

#### **Co-performance: Conceptualizing the Role of Artificial Agency in the Design of Everyday Life**

#### Lenneke Kuijer

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#### ABSTRACT

This paper introduces the notion of *co-performance*, with the aim to offer Human-Computer Interaction (HCI) researchers and practitioners a new perspective on the role of artificial agency in everyday life, from automated systems to autonomous devices. In contrast to 'smartness,' which focuses on a supposed autonomy of artifacts, *coperformance* considers artifacts as capable of learning and performing next to people. This shifts the locus of design from matters of distributions of agency at design time, to matters of embodied learning in everyday practice for both human and artificial performers. From this perspective co-

# $\Theta$

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shown to have unintended consequences on everyday life (e.g. [3, 4, 11, 17, 44, 57, 80]). In order for design to be sensitive to its impact, better understanding is needed of the role played in everyday life by the artefacts we make. For HCI researchers and practitioners, this means a better understanding of the decisions made in the design process about (a) the role of the *artificial agency* of computational artefacts, and (b) how this role should be allowed to *change*, under the idiosyncratic and varied circumstances of everyday life.

The turn to practice in Human-Computer Interaction (HCI)

Α



# cities things hood bot













Wijkbot Kit













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Deen Listoning

Ask follow-up  $( \mathbf{+} )$ 

mind, tuning into subtle cues, and sensing the underlying patterns and potentials that are trying to emerge. 1 2





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Dean Listaning

Ask follow-up (+)

mind, tuning into subtle cues, and sensing the underlying patter trying to emerge. 1 2



ANLP Council of **Generative Wisdom** anlp - 3

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#### GUIDED BY VOICES -

#### Google's AI Overview is flawed by design, and a new company blog post hints at why

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Google: "There are bound to be some oddities and errors" in system that told people to eat rocks. BENJ EDWARDS - 5/31/2024, 9:47 PM

0.0

Enlarge / The Google "G" logo surrounded by whimsical characters, all of which look stunned and surprised.

On Thursday, Google capped off a rough week of providing inaccurate and sometimes dangerous answers through its experimental Al Overview feature by authoring a follow-up blog post titled, "Al Overviews: About last week." In the post, attributed to Google VP Liz Reid, head of Google Search, the firm formally acknowledged issues with the feature and outlined steps taken to improve a system that appears flawed by design, even if it doesn't realize it is admitting it.

To recap, the AI Overview feature—which the company showed off at Google I/O a few weeks ago-aims to provide search users with summarized answers to questions by using an AI model integrated with Google's web ranking systems.



#### FURTHER READING

⇒

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Google's "AI Overview" can give false, misleading, and dangerous







#### Live demo of GPT-4o coding assistant and desktop app

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#### Model



#### GPT-4o

Newest and most advanced model



#### GPT-4

Advanced model for complex tasks



GPT-3.5 Great for everyday tasks

#### ① Temporary chat

Familiarity

**()** 

Ø

#### Uncanny Valley









# A PROMISE IN NEED FOR FORFILLING



Failed promises for now...



#### THE WHEEL NETWORK





# **MUNDANE TECHNOLOGIES**



# SNEAKY AI?

**IS WHAT IT WILL BE...** 

# CHILDENE CONSEQUENCES OF BEING OBSERVED

έtν



# CHILLING EFFECTIVE STATUS OF THE STATUS OF T

**Opinie** Privacy

#### Slimme deurbellen zijn een gevaar voor onze samenleving



Beeld Getty Images

Wie kijkt er allemaal mee met de slimme deurbel? Geef meer informatie over dit zorgelijke fenomeen, stelt Thijs







# Things with agency

Intelligent, fed by the cloud, in initiating conversation with humans



SPEED

50

#### TINUOUS SWITCHING VEEN SIMULATED JRE AND THE NOW Avg. 414 Wh/m Past 30 mi **OUR FUTURE...**

**198 mi 65° F** 

10



#### 200 400





# **DESIGN FOR...**

image by Philip Toledano



# TRACKING BEHAVIOR



CO2 ppm scales: 0 - 5000

Temperature scales: -10° - 40°

Humidity scales: 0% - 100%

Light lux Intensity scales: 0 - 750

# A NEW DATA DATA DE LA COMPANICATES LEARNINGS AND INTENTIONS, AND HAS CLEAR ANCHORS FOR CONTINUOUS REINFORCEMENT LEARNING FROM HUMAN FEEDBACK

Setup Background

**Close Controls** 



# NORRA CONTRA CONTRACTACIÓN DE CONTRACTACIÓN DE CONTRACTACIÓN DE CONTRACTÓN DE CONTRACTÍN DE CONTRACTÓN DE CONTRACTÍN DE CONTRACTICACTICACTICACTICONTRACTICACTICONTRACTICACTICACTICACTICACTICACTICACTI DESIGN CONFLICT SYSTEMS BASED ON DEMOCRATIC PRINCIPLES





#### CONTESTABLE ARTIFICIAL INTELLIGENCE



KARS ALFRINK

CONSTRUCTIVE DESIGN RESEARCH FOR PUBLIC ARTIFICIAL INTELLIGENCE SYSTEMS THAT ARE OPEN AND RESPONSIVE TO PISPUTE.



## PRINCIPLES

**ETHAN MOLLICK, 2024** 

- 1: Always invite AI to the table
- 2: Be the human in the loop
- **3: Treat Al like a person** (but tell it what kind of person it is)
- 4: Assume this is the worst Al you will ever use



# DESIGNING FOR UNKING NEEDED



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NAWN







# THANKS!





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#### Weeknotes 291 - the valuable friction of context

BY ISKANDER SMIT IN WEEKNOTES - JUN 4, 2024

Showing sources is not enough; design encounters. Some thoughts. And the latest notions from the news, a paper on AI and democracy, and more.



The valuable friction of context while exploring a service - acc Midjorne

