

TECHNOLOGY HORIZONS & PARTICIPATORY FUTURES

A Forum for Anticipatory Policy

Seungho Park-Lee & Dajung Kim
UNIST

The call is requiring to build a

FORUM

“Proposals should establish a forum for emerging interdisciplinary areas and new technological visions.”

The future of digital technology is shaped between institutions.

BROAD RANGE OF PARTICIPANTS

MUTUALLY INSPIRE
COOPERATE · DEVELOP TOGETHER

01 SCIENCE + ENGINEERING

Fundamental research → proof of concept

02 RTOs

Technology direction + implementation credibility

03 INDUSTRY + SMEs

Signals from markets, infrastructures and adoption

04 CIVIL SOCIETY

Wider input on consequences and alternatives

We work between research and practice—and want the funding to do the same.



Seungho Park-Lee
Associate professor
Dept. of Human Centered Design & Technology
UNIST

#design-for-policy #participatory-futuring
#capacity-building #qualitative-research



Dajung Kim
Assistant professor
Dept. of Human Centered Design & Technology
UNIST

#technology-appropriateness #speculative-design
#human-technology-relationships #qualitative-research

We are here for

01

**Flexible questions to build
useful framework.**

02

**Strategic alliance,
long-term relationships**

Participation grew—from invited workshops to civic policy infrastructure.

Across four projects, the unit of participation expanded: generations → institution → live service → two-city transition.

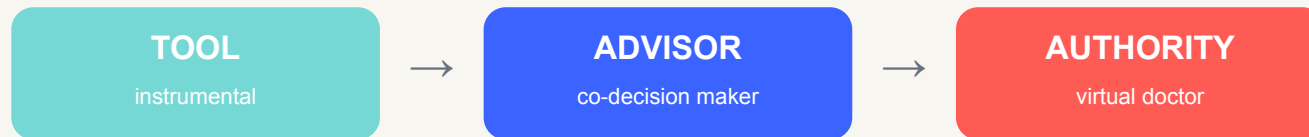


THE PATTERN · widen participation · carry evidence forward · turn futures into implementable policy

Technology appropriateness is negotiated—not predefined.

CHI '24 · AI DECISION MAKING IN PREGNANCY CARE

How much decision power should AI have?



12 INTERVIEWS 40–60 min + 15 SURVEY RESPONSES = 27 WOMEN IN ANALYSIS

2 SPECULATIVE CARE DECISIONS

20 weeks · supplement choice / 30 weeks · pre-eclampsia delivery

The appropriate level of AI assistance changes with the person, the situation and time.

DIS '26

ALGORITHMIC SELF-PORTRAITS

8-person pilot + 22-person study

Identity · agency ·
algorithmic influence

CHI EA '26

EXPERT AI CLONES

7 experts + 26 clients

14 interviews · 54 chats

Role and topic boundaries
across domains

APPROPRIATENESS = WHO DECIDES · IN WHICH CONTEXT · WITH WHAT POSSIBILITY TO REASSESS

Korea and Japan are high-resolution contexts for early technology adoption.

When adoption, infrastructure, institutions and everyday routines are tightly coupled, sociotechnical change becomes visible in the details:

01

PRACTICES

Workarounds, adaptations, informal rules

02

FRICTIONS

Exclusions, dependencies, contested norms

03

RESPONSES

Institutional experiments and public negotiation

THE GUARDRAIL

Signals travel with provenance, context, uncertainty and competing interpretations—never as a claim that one country predicts another.

A four-year learning cycle turns situated signals into European policy capability.



Deliverable: a capability Europe can run again.



01 TRANSFERABLE METHOD

02 CURRICULUM

03 TRAINED COMMUNITY

04 APPROPRIATENESS PROTOCOLS

05 RECIPROCAL NETWORK

06 POST-GRANT HOST

THIS IS ONLY A DISCUSSION STARTER

**WE ARE OPEN TO
COMPLETELY NEW
DIRECTIONS.**

if it creates a stronger European programme
and a more legitimate role for us.

01 EUROPEAN LEADERSHIP

A European researcher or institution
should serve as PI / coordinator.

02 A LEGITIMATE KR/JP ROLE

We want to build a compelling reason for
Korean and Japanese teams to
participate—funded, reciprocal and
methodologically necessary.

03 LET'S CO-DESIGN

We are happy to change the technology
domain, sites, methods, work
packages—or begin again from a much
better idea.