

HUMAN FLOURISHING AND THE FUTURES OF INTELLIGENCE



Welcome!

BRIE LINKENHOKER
WORLDVIEW STUDIO



CONNECTING
SCIENCE & SOCIETY



HOW MIGHT
AI HELP US
FLOURISH?

A LIFE THAT'S WHOLISTICALLY GOOD...
-- FULFILLMENT...
-- AGENCY...

WHAT MIGHT a
POSITIVE FUTURE
w/ AI LOOK LIKE?

We're here to
EXPLORE
the FUTURES
of INTELLIGENCE



ERIK BRYNJOLFSSON
DIRECTOR, DIGITAL ECONOMY LAB,
STANFORD UNIVERSITY. HAI

HAI
FOUNDED
3 YRS. AGO...

DIGITAL
ECONOMY
LAB

HOW TO
BENEFIT the
MANY...
NOT THE FEW



ERIC MARSHALL
PRINCIPAL DIRECTOR for
PROGRAMS in DISCOVERY SCIENCE,
TEMPLETON WORLD
CHARITY FOUNDATION

GLOBALLY
LAUNCH of a
SERIES of
WORKSHOPS

BUILDING
COMMUNITY

• DEVELOP BETTER
UNDERSTANDING

• DEVELOP BETTER
TOOLS

• RESEARCH
• DEVELOPMENT

USEFUL FOR
PEOPLE **ANYWHERE** AT ALL SOCIO-
ECONOMIC LEVELS

the **SCIENCE ...**
& **DEVELOPMENT**
of **HUMAN FLOURISHING ...**

REQUIRES COLLABORATION
ACROSS MANY DISCIPLINES



A WHAT'S NEW? WHAT'S NEXT?

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IAN EISENBERG
 HEAD OF DATA SCIENCE,
 CREDO AI

SURYA GANGULI
 ASSOC. DIRECTOR OF STANFORD HAI
 & ASSOC. PROF. OF APPLIED PHYSICS

THE DRIVE TO
UNDERSTAND IS A
 FUNDAMENTAL
 HUMAN NEED...



Some THEMES

TECHNICAL SYSTEMS are OUTPACING SOCIAL SYSTEMS
 HUMAN WISDOM

CENTRALIZED vs. DECENTRALIZED

- AT INDIVIDUAL LEVEL
- AT COMPANY LEVEL



CROSS CULTURAL ISSUES

- GROUPS w/ DIFF. CULTURAL BACKGROUNDS
- GEOGRAPHIC / COUNTRY LEVEL
- WESTERN P.O.V vs. EASTERN AFRICAN INDIGENOUS U.S.

How is AI PERCEIVED?

- WHAT'S "GOOD"?
- WHAT'S "SUCCESS"?
- WHAT VALUES are at the CORE?

AI CURRENTLY VERY DRIVEN BY CAPITALISM

- WHAT INCENTIVES DRIVE PACE OF DEVELOPMENT & DEPLOYMENT?
- WHAT'S DEVELOPED, WHY, & FOR WHOM?
- WHO'S INCLUDED in ASSUMPTIONS & TESTING?

WHAT IS "BEING HUMAN"?

- EMOTIONS... JOY OF DISCOVERY... IRRATIONALITY...
- HOW MIGHT THESE BE HELPFUL in ADDING to AI?
- CAN AI FEEDBACK GIVE US A DEEPER PERCEPTION OF OUR UNIQUE HUMAN QUALITIES?

AS AI EVOLVES... DOES IT CHANGE WHAT IT MEANS TO BE HUMAN?

Collective Intelligence

WHAT'S NEW?
WHAT'S NEXT?

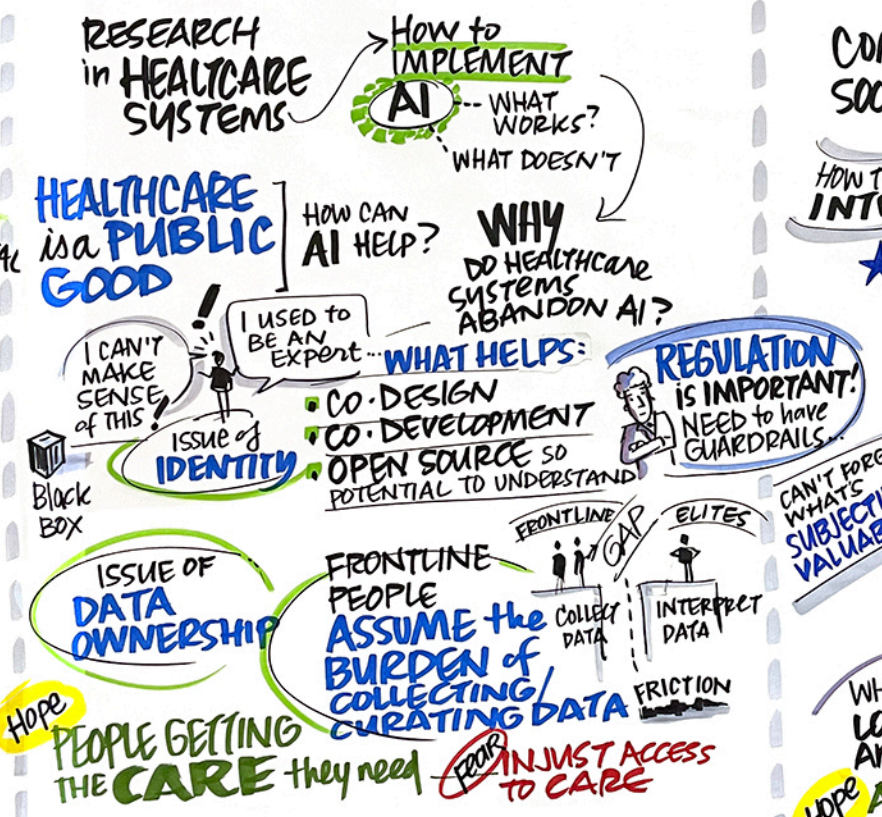
KATE MAHER
EARTH SYSTEM SCIENCE,
HAI AFFILIATE



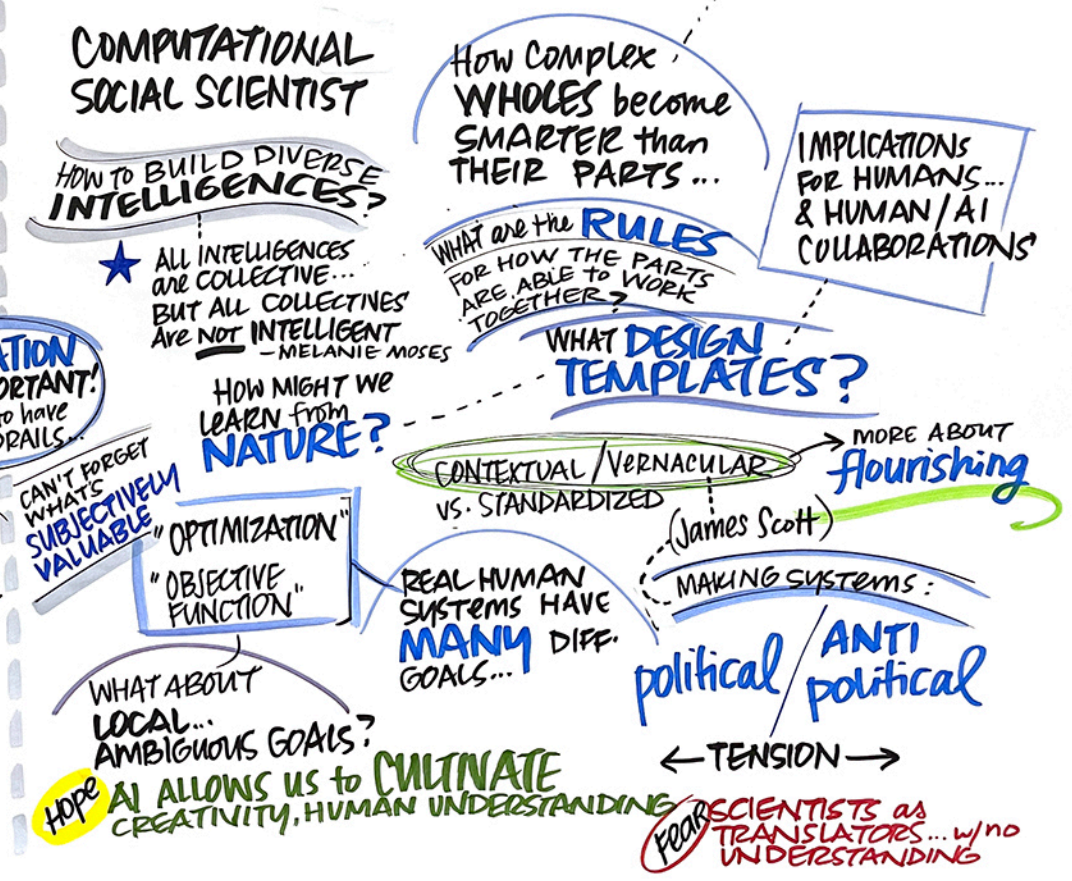
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"WHEN A SYSTEM IS HAVING TROUBLE DEALING w/ its WORLD, IT CAN GET SMARTER, OR IT CAN MAKE THE WORLD DUMBER SO IT CAN DEAL WITH IT."
- David Krakauer

C.O.N.S.I.D.E.R.:
How PARTICIPATING IMPACTS the PARTS?

IMPLICATIONS

for

HUMAN INTELLIGENCE and HUMAN FLOURISHING

UNCERTAINTIES & ADDITIONAL COMMENTS...

CAPACITY for
INCREASED
COLLECTIVE
ACTIVITY ...
MIGHT CHALLENGE
the NATION/STATE

AI DRIVEN
by MKT. Forces
HOW OUR
SEARCH for
VARIATIONS of
AI that SERVE
our VALUES
MIGHT EMERGE?

ARE WE READY
to ALIGN
AROUND SHARED
GOALS? Apply
our COLLECTIVE
INTELLIGENCE?

HOW TO PUT
PRESSURE ON
CONVENTIONAL
MODELS/WAYS
OF DOING THINGS?

WHAT
INTERMEDIATE
SCENARIOS
MIGHT EVOLVE?

LOTS OF
THINGS AI
CAN'T DO...
SOCIAL SKILLS
EMOTIONAL INTELLIGENCE

CURRENTLY ABOUT
TOOL BASED AI
(SUPERVISED) (CONSTRAINED)

OTHER POSSIBILITIES -
SYSTEMS w/ BUILT in
CURIOSITY, etc.

PAY ATTN to the
SUBJECTIVE
EXPERIENCE...
WHAT DOES it FEEL like
to INTERACT w/ AI?

Joy of
DISCOVERY

BEYOND JUST MENTAL
SPHERE
NOT ONLY was
YOUR SON
LEARNING...
▷ He was Happy
▷ Was Embodied.

MY
3 1/2
year
old...



WORE
SPIDERMAN
COSTUME EVERY
DAY in OCT!
NOW DRESSES
HIMSELF!

CREATE
CONTEXTS
as HUMANS

HOW CAN
these INFORM
AI?

MICHAEL FRANK
PROF. of HUMAN BIOLOGY &
PSYCHOLOGY, STANFORD

FEATURES of Human
LEARNING

• ROBUSTNESS

• LANGUAGE
TRAINING

• KIDS HELP
EACH OTHER

COULD AI GOVERN
ITSELF? COLLABORATE?

ERIKA GREGORY
MANAGING DIRECTOR,
N SQUARE COLLECTIVE

FUTURE of
GLOBAL
SECURITY

HOPEFUL for
the FUTURE of
A RESPONSIBLE
SPECIES...



MENTAL
MODEL of
COERCION

NUCLEAR =
the "BIG STICK"

MIGHT AI
FOLLOW
COOPERATIVE
MODELS... THAT
WE'RE NOT SMART
ENOUGH TO DO

HOW WILL we
REMEDiate
THE TROUBLE
we've CAUSED?

HOW WILL HISTORIANS
LOOK BACK 10,000
YEARS FROM NOW?

AI CIRCULAR COLLABORATIVE
ECONOMIES

ARE WE SMART
ENOUGH TO CREATE A
COOPERATIVE FUTURE?

WHAT DO WE
KNOW ABOUT
HOW HUMANS
FORM our
MENTAL MODELS?

& HOW WE MIGHT CHANGE THEM?

START w/
HUMANS...
EXTRAPOLATE
FROM THERE
VS. START w/
THEORY

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PRINCIPAL DIRECTOR for
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WHAT are we
TRYING TO
ACHIEVE?

WHO'S VALUES
INFORM the
CRITERIA?

IS THE AI
LEARNING, TOO?
FOLLOWING OUR
LEAD?

WHAT are
DESIGNERS
INCENTED BY?

WHAT ARE OUR
GOALS?

ARE THEY
INFORMED
by PLAY?

ARE WE focused on
INTERDEPENDENCE?



OBSTACLES to
FLOURISHING =
SILOS.

PERSONALIZATION
CUSTOMIZATION
DEMOCRATIZATION