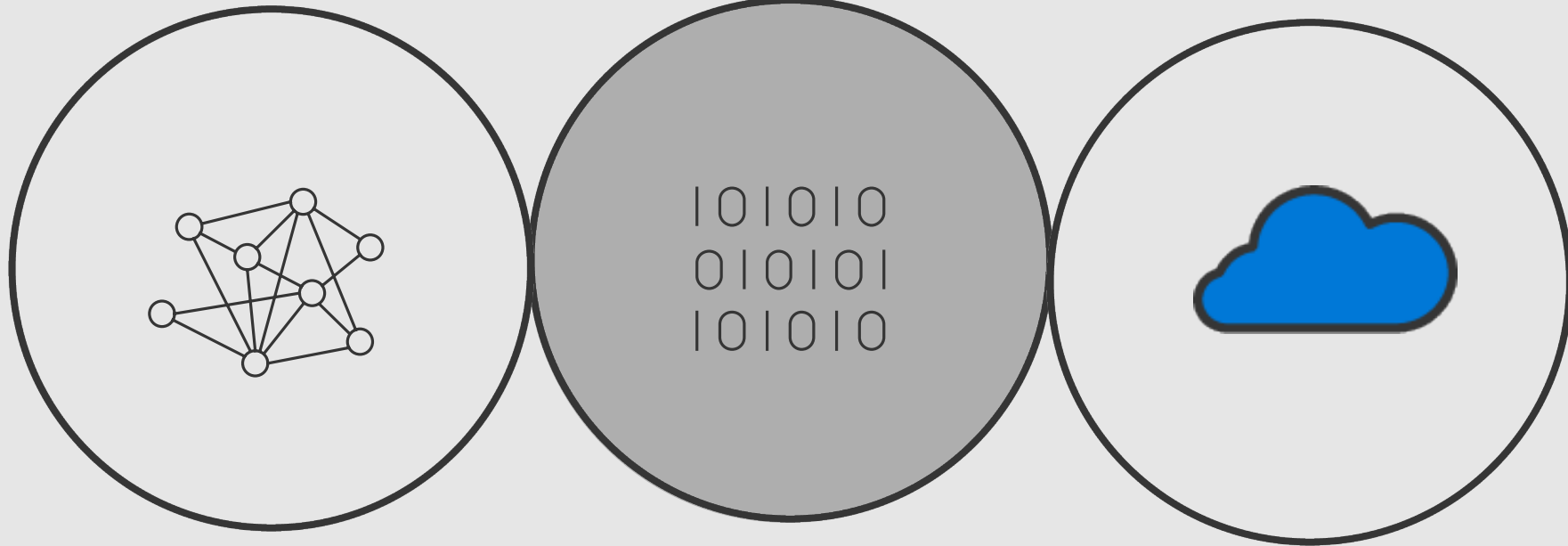# AI & Ethics

Privacy Café,
14 January 2020

Data Protection
institute

Lorelien Hoet,
Government Affairs Director

Microsoft

Artificial Intelligence today
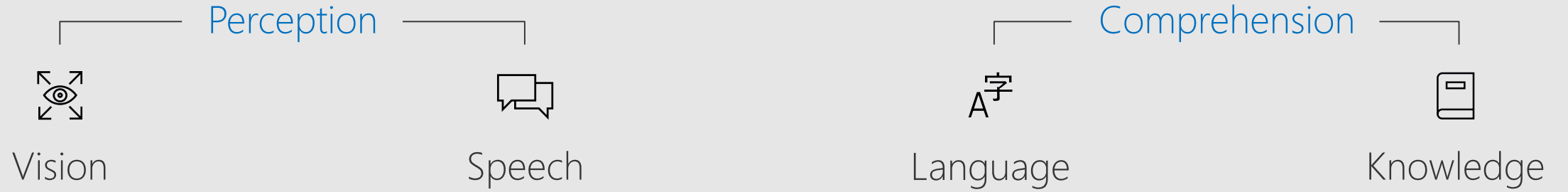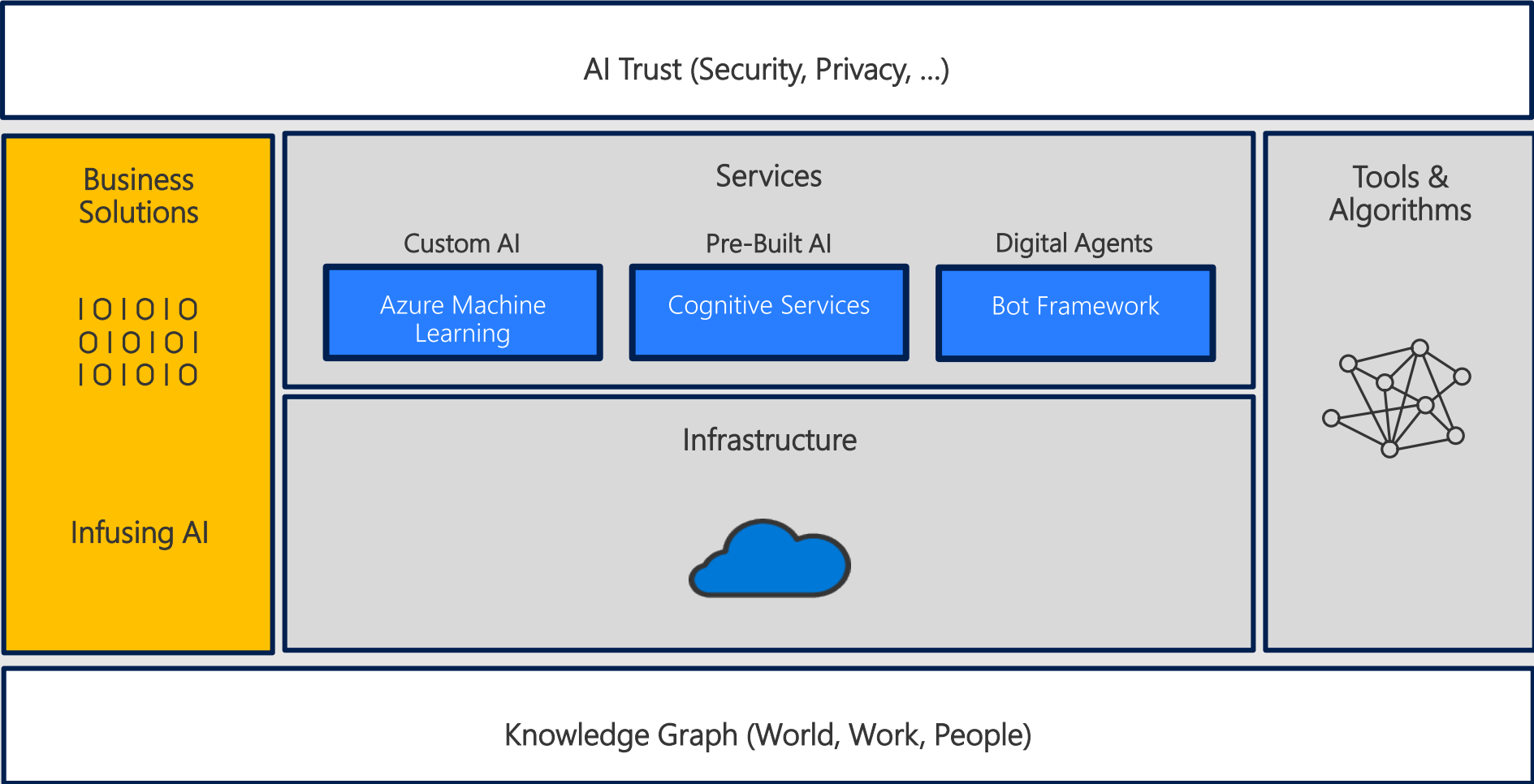
Comprehensive
Data

Powerful
Algorithms
&
Productive
Platforms

Big
Computing in
the Cloud

Computers learning the world

Perception

Vision

Speech

Comprehension

Language

Knowledge

Microsoft AI solutions

Other Microsoft examples

Seeing AI

Point your camera,
Hear a description
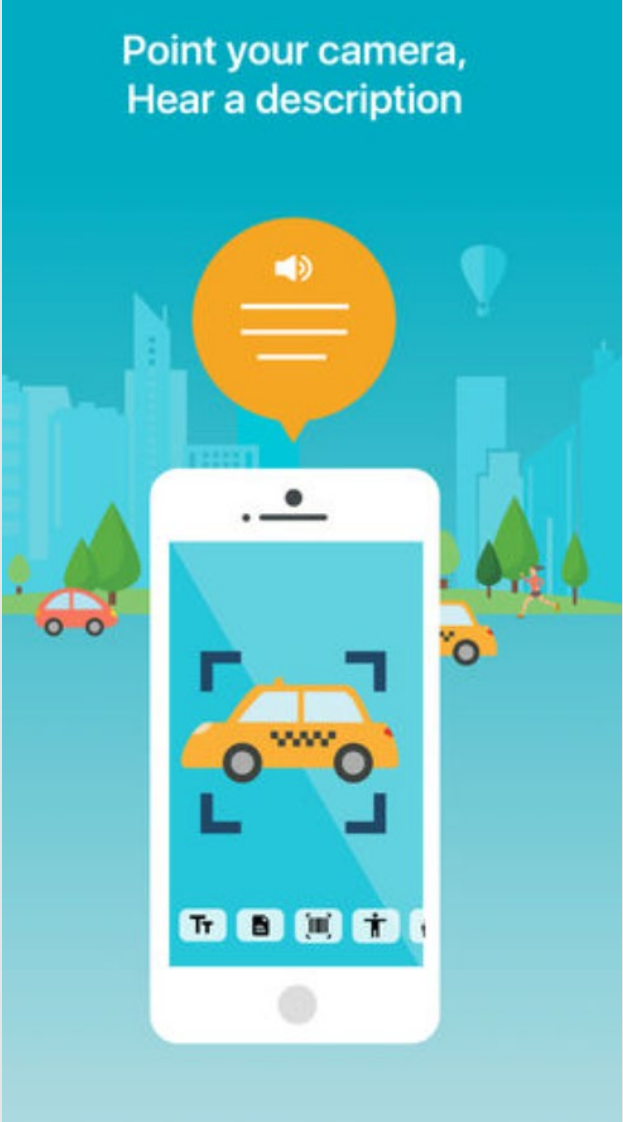
Recognizing a short text

Recognizing a product

Recognizing currency

Recognizing a scene

Recognizing handwriting

Recognizing light

AI raises ethical, legal & societal issues

Facial Recognition Is Accurate, if You're a White Guy

By STEVE LOHR   FEB. 9, 2018

Facial recognition technology is improving by lea...
commercial software can now tell the gender of a...

TECHNOLOGY

Self-Driving Uber Car Kills Pedestrian in Arizona

BUSINESS DAY

Fatal Tesla Crash Raises New Questions About Autopilot System

By NEAL E. BOUDETTE   MARCH 31, 2018

Body seen here

These disparate results, calculated by Joy...
M.I.T. Media Lab, show how some of the b...
into artificial intelligence, the computer sy...

**Brands are taking back
control of digital advertising**

How Democracy Can Survive Big Data

Colin Koopman
THE STONE   MARCH 22, 2018

Only a few years ago, the idea that for-profit companies and foreign agents
could use powerful data technologies to disrupt American democracy would
have seemed laughable to most, a plotline from a Cold War espionage
movie. And the idea that the American system would be compromised

Turkish | English

O bir doktor. → He is a doctor.

O bir hemşire. → She is a nurse.

The New York Times

Facial Recognition Is Accurate, if You're a White Guy

By STEVE LOHR   FEB. 9, 2018

Gender was misidentified in up to 1 percent of lighter-skinned males in a set of 385 photos.

Gender was misidentified in up to 12 percent of darker-skinned males in a set of 318 photos.

Gender was misidentified in up to 7 percent of lighter-skinned females in a set of 296 photos.

Gender was misidentified in 35 percent of darker-skinned females in a set of 271 photos.

ROBOT INDEMNITY

Companies are on the hook if their hiring algorithms are biased

By Dave Gershgorn • October 22, 2018

Germany's self-driving car ethicists: All lives matter

By Dave Gershgorn • August 24, 2017

STATE LAW

STOP FOR PEDESTRIANS

FEDERAL COURT RULES AGAINST IDAHO DEPARTMENT OF HEALTH AND WELFARE IN MEDICAID CLASS ACTION

https://www.youtube.com/watch?v=yv_8dx7g-WA

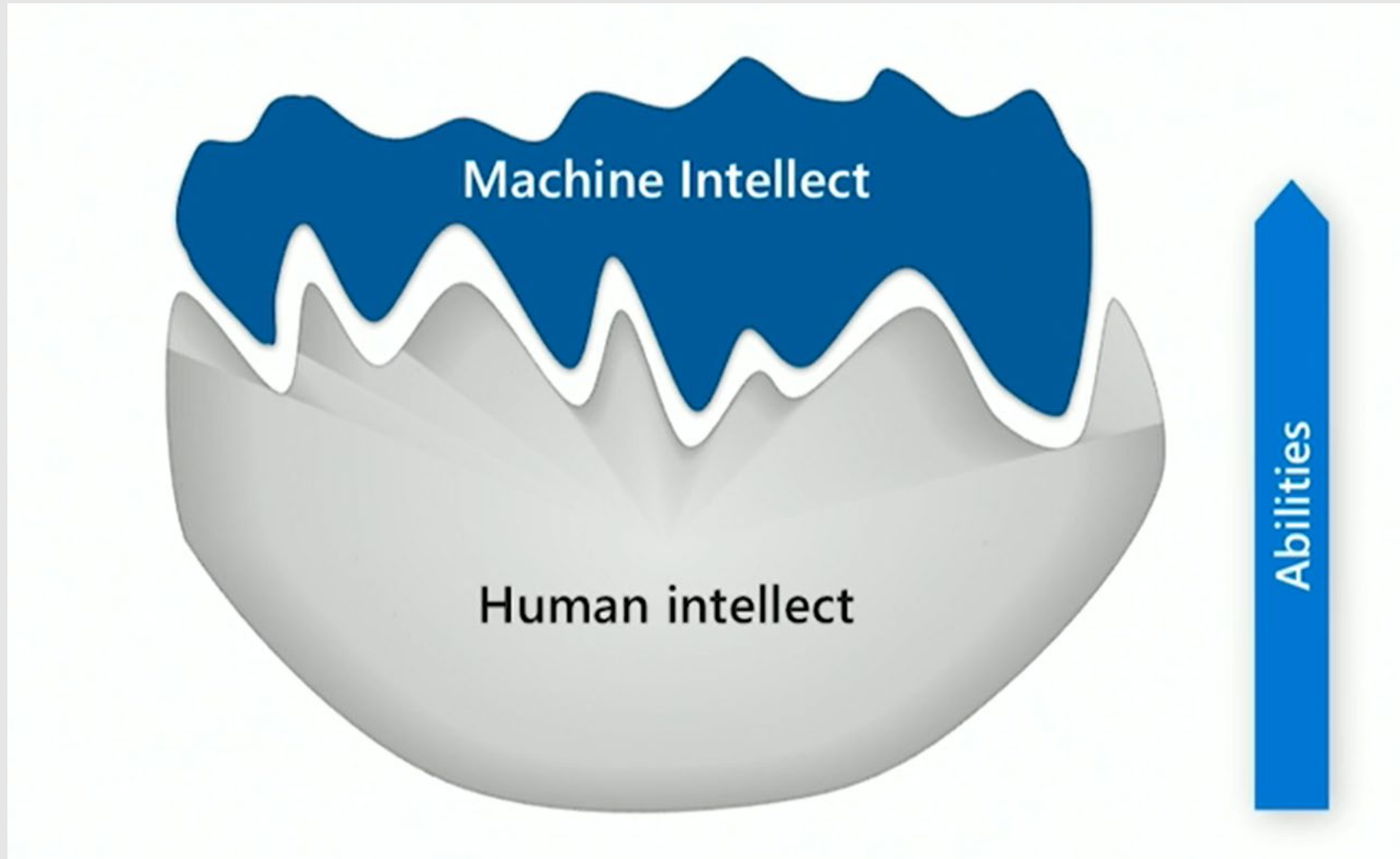# Master Human – AI Collaboration
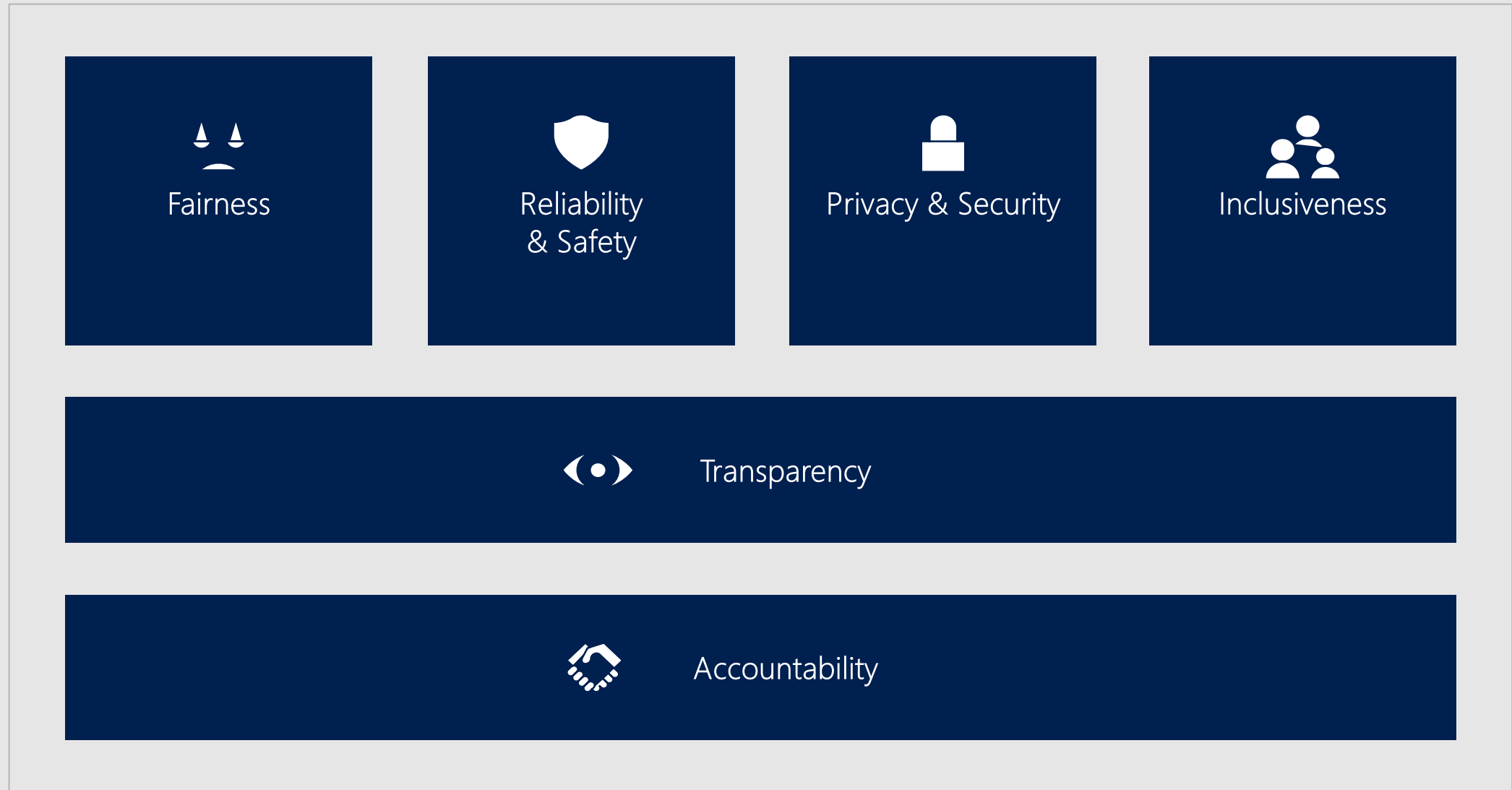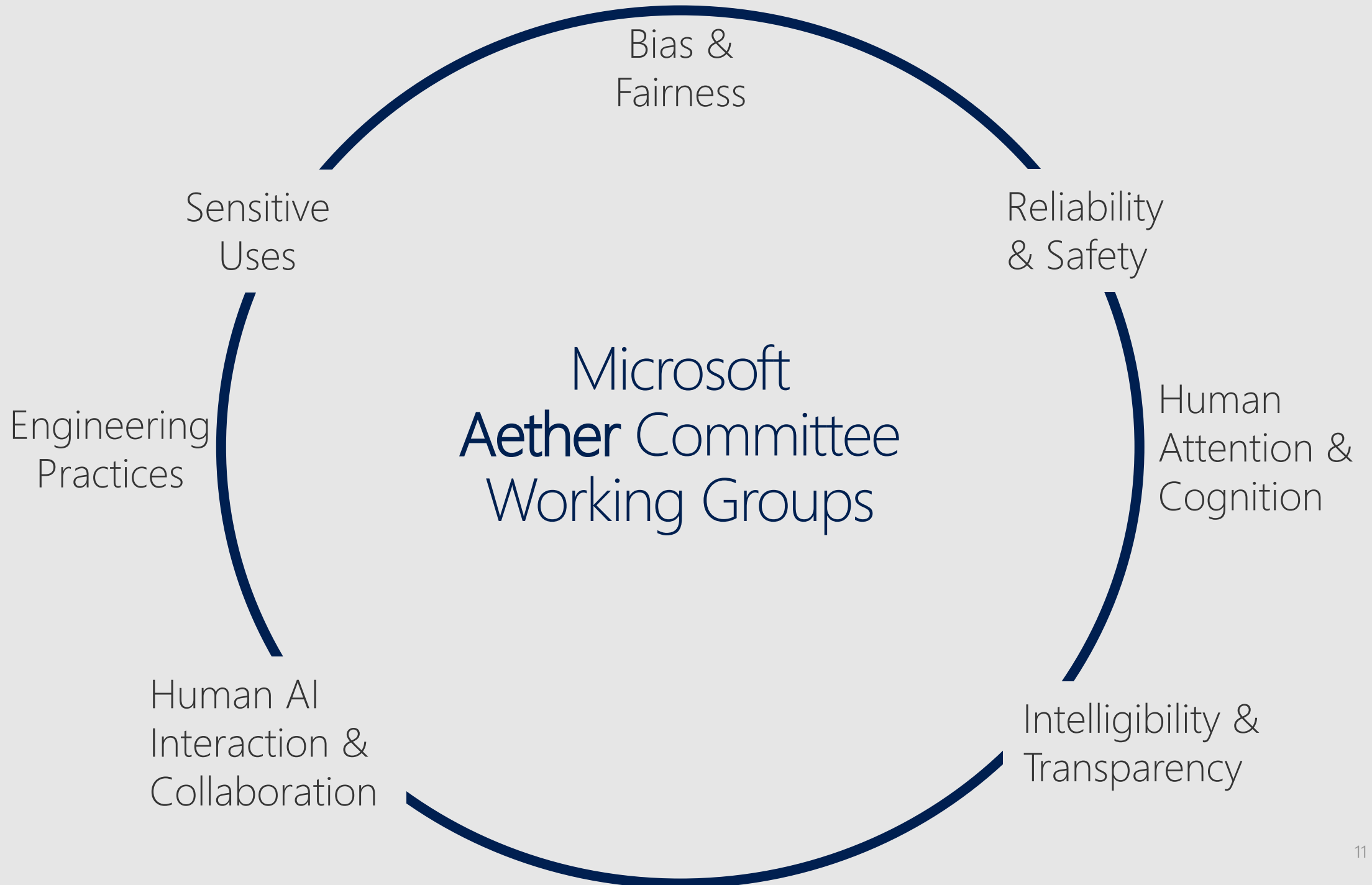## *Leverage results of Cognitive Psychology*
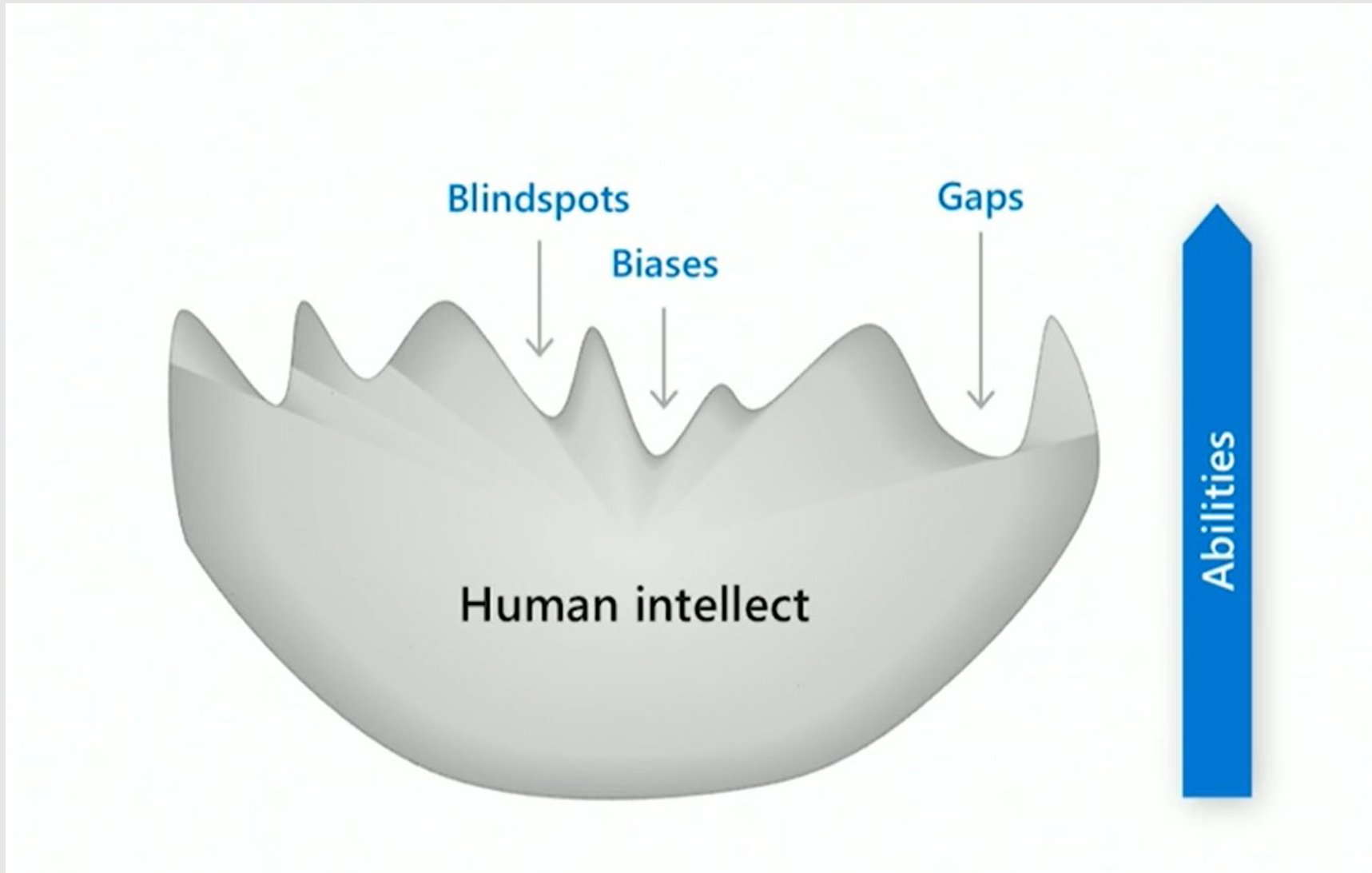
Master Human – AI Collaboration
Leverage results of Cognitive Psychology

Microsoft's ethical design framework for AI

Fairness	Reliability & Safety	Privacy & Security	Inclusiveness

Transparency

Accountability

Microsoft
Aether Committee
Working Groups

Bias & Fairness

Reliability & Safety

Human Attention & Cognition

Intelligibility & Transparency

Human AI Interaction & Collaboration

Engineering Practices

Sensitive Uses

Responsible AI to augment human ingenuity

Three questions we should always ask

1 System Purpose — Will the technology be used to augment the abilities of individuals and result in a positive impact on people and society? If no, seek guidance.

2 Technology Capability — Are the AI technology and people capable of performing the tasks that the AI system should do? If no, seek guidance.

3 Quality & Reliability — Will the technology be effectively designed, operated and maintained by a responsible party? If no, seek guidance.
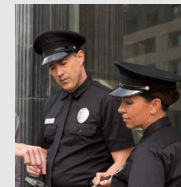
Sensitive categories of AI systems

At Microsoft, we recognize that there are sensitive categories of Artificial Intelligent systems which are involved in making automated decisions and recommendations that may have a broad impact on people and society in the following ways:

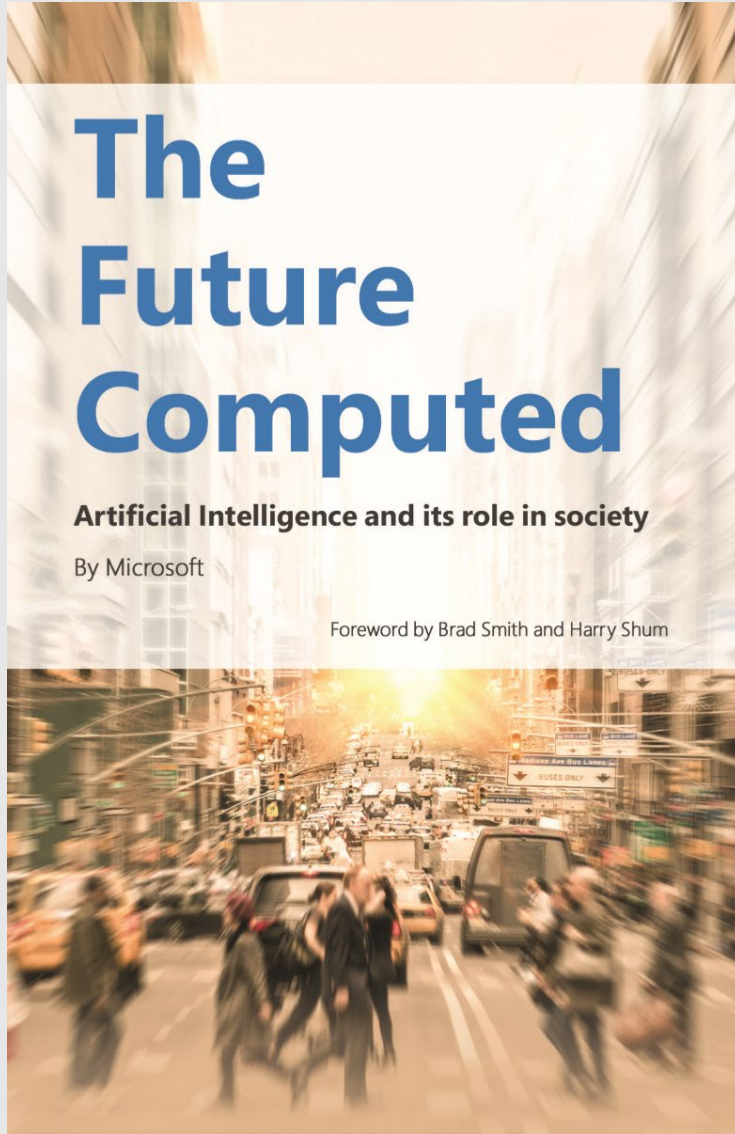Denial of Consequential Services

Risk of Harm

Personal Freedom

Beyond Microsoft ....

SCOTT THURM BUSINESS 07.13.18 11:00 AM

MICROSOFT CALLS FOR FEDERAL REGULATION OF FACIAL RECOGNITION

Requires broad societal reflection

As technology evolves so quickly, those of us who create AI, cloud and other innovations will know more than anyone else how these technologies work. But that doesn't necessarily mean that we will know how best to address the role they should play in society.

This requires that people in government, academia, business, civil society, and other interested stakeholders come together to help shape this future.

The Future Computed

Artificial Intelligence and its role in society

By Microsoft

Foreword by Brad Smith and Harry Shum

Governance

Artificiële Intelligentie: Oprichting Kenniscentrum Data & Maatschappij in kader Vlaams Beleidsplan AI

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE EUROPEAN COUNCIL, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

Artificial Intelligence for Europe

Commissie voor Economie, Werk, Sociale Economie, Innovatie en Wetenschapsbeleid

Artificiële Intelligentie (AI): gedachtewisseling

High-Level Expert Group on Artificial Intelligence

Following an open selection process, the Commission has appointed 52 experts to a new High-Level Expert Group on Artificial Intelligence, comprising representatives from academia, civil society, as well as industry.

The **High-Level Expert Group on Artificial Intelligence (AI HLEG)** will have as a general objective to support the implementation of the European strategy on AI. This will include the elaboration of recommendations on future AI-related policy development and on ethical, legal and societal issues related to AI, including socio-economic challenges.

AI4Belgium

Home   Introduction   Obje

Artificial Intelligence by and for people

AI 4 Belgium is a community-led approach to enable Belgian people and organizations to capture the opportunities of AI while facilitating the ongoing transition responsibly. **AI 4 Belgium** has the ambition to position Belgium in the European AI landscape.

Agoria ontwerpt 'digital skills passport' voor 4,5 miljoen Belgen

donderdag 23 mei 2019

European Commission

Liability for Artificial Intelligence

and other emerging digital technologies

Composition de la commission

AGENDA ROBONUMÉRIQUE

Président(s):
Ecolo-Groen: _Gilles Vanden Burre_

Vice-Président(s):
N-VA: _Peter Dedecker_

Membres Effectifs:
N-VA: _Peter Dedecker_
PS: _Gwenaëlle Grovonius_
MR: _Gilles Foret_
CD&V: _Jef Van den Bergh_
Open Vld: _Nele Lijnen_
sp.a: _Meryame Kitir_
Ecolo-Groen: _Gilles Vanden Burre_
cdH: _Anne-Catherine Goffinet_