



Artificial Intelligence 2020

RenAIssance

A Human-centric Artificial Intelligence

February 28, 2020 · Auditorium of Via della Conciliazione, Rome



The Rome Call for AI Ethics and Why it Matters


Brad Smith
President

 @bradsmi

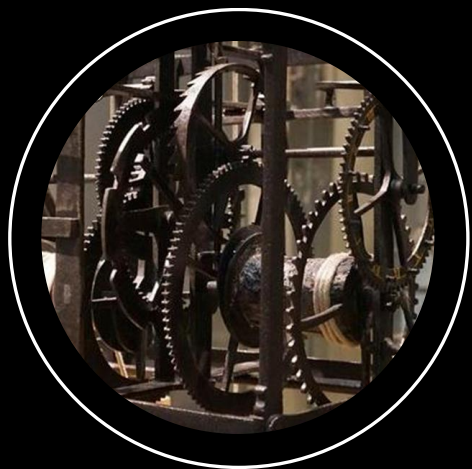
Artificial Intelligence · 2020 Renaissance · A Human-centric Artificial Intelligence



Artificial intelligence
will change the world

An antique globe with a wooden frame and a metal ring, set against a black background. The globe is made of wood and shows signs of age, with some discoloration and wear. It is mounted on a metal ring that is part of a larger wooden frame. The globe is positioned in the center of the image, and the text "The Renaissance changed the world" is overlaid on it.

The Renaissance
changed the world



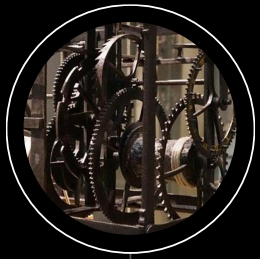
1283

Mechanical clock

1300



The Renaissance



1283
Mechanical clock

1300

1400



1420
Oil painting



The Renaissance



1420
Oil painting



1450
Eyeglasses

1400



The Renaissance



1420
Oil painting



1450
Eyeglasses



1456
Printing press

1500 →

The Renaissance



1450
Eyeglasses



1456
Printing press



1477
Ptolemy world
map

1500 →

The Renaissance



1456
Printing press



1477
Ptolemy world
map



1495
Roman and italic
typesfaces

1500



The Renaissance



1477
Ptolemy world
map



1495
Roman and italic
typefaces



1500
Flush toilet

1500



The Renaissance



1495
Roman and italic
typefaces



1500
Flush toilet



1505
Pocket watch

1500



The Renaissance



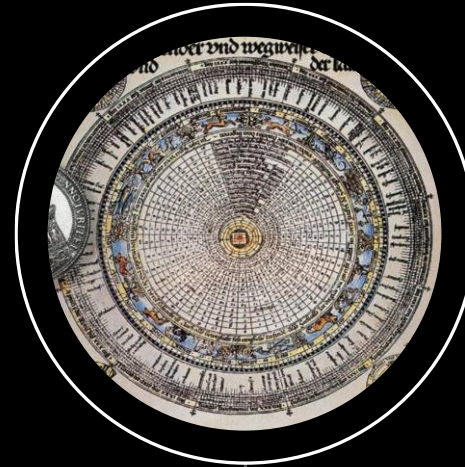
1500

Flush toilet



1505

Pocket watch



1582

Gregorian
calendar

1500

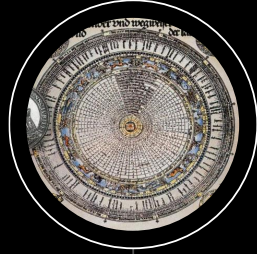
1600



The Renaissance



1505
Pocket watch

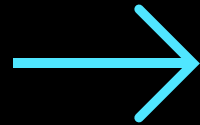


1582
Gregorian
calendar



1587
Modern bank

1600



The Renaissance



1582
Gregorian
calendar

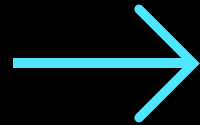


1587
Modern bank



1590
Compound
microscope

1600



The Renaissance



1582
Gregorian
calendar



1587
Modern bank

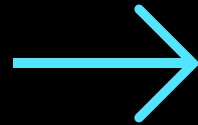


1590
Compound
microscope



1593
Thermometer

1600



The Renaissance



1582
Gregorian
calendar



1587
Modern bank

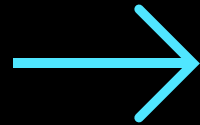


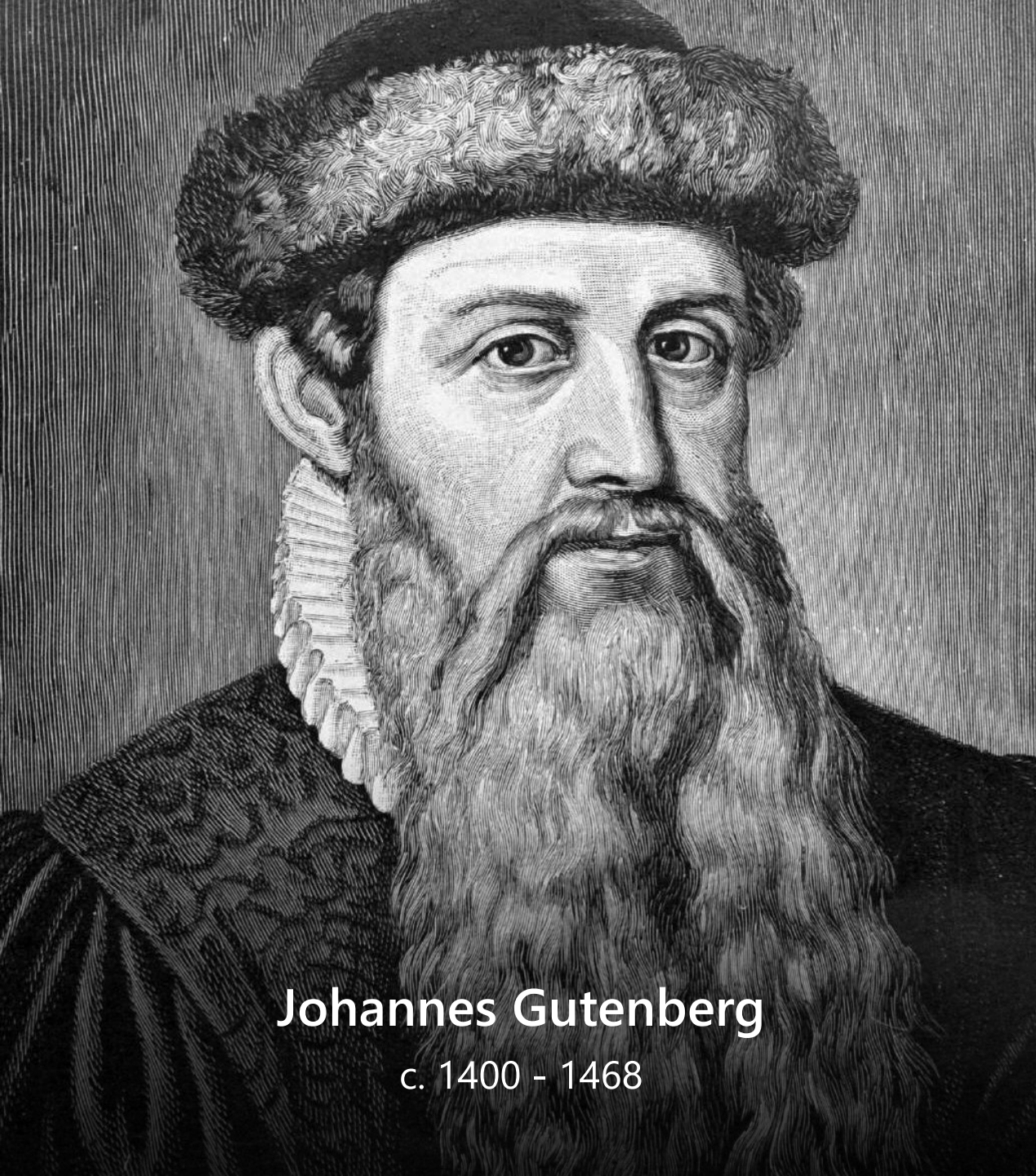
1590
Compound
microscope



1593
Thermometer

1600





Johannes Gutenberg

c. 1400 - 1468

Inquit epistola sancti iheronimi ad paulinum presbiterum de omnibus diuine historie libris. capitulu pmi.

Hecce ambrosius tua michi munuscula pferens. detulit. Et suauias leas. q a principio amicitia. hic pba

te iam fidei et veteris amicitie noua. pferbant. Et tu illa necessitudo e. et xpi glorio copulata. qm non ualitas rei familiaris. no pntia tantum corporis. no sibiola et palpas adula. sed dei timor. et diuina. scripturarum studia conualiant. Legim in veteribz historiis. quosd a lustrasse puincia. nouos adisse ppos. maria trasisse. ut eos quos ex libris nouerant. coram q. videret. Sicut pitagoras menphnicos uates. sic plato egiptu. et archita tarantinu. eandemq. oram ytalie. que quondam magna grecia dicebat. laboriosissime peraguit. et ut qui athenis mge erat. et potens. nuntio doctrinas achadenie gignalia psonabat. fieri pognus atq. discipulus. males aliena recte discere. qm sua ipuduit ingere. Deniq. cu leas quasi toto orbe fugientes psequit. capte a piratis et uenudatus. oratio crudissimo paruit. dud. captiuus uind. et seruus. Tame quia plus maior emente se fuit. ad orum liuu. ladeo eloquie fonte manante. de vltimis hispanie galliaruq. finibz. quosd am uenisse nobiles legimus. et quos ad contemplatione sui roma no traxerat. uni. hois fama pduit. Ha

ingressi aliud terra urbem querebant. Apolloni. siue ille mag. ut vulgus loquitur. siue plus. ut pitagorici tradunt. intravit pfas. pssuit caucasi. albanos. scythas. i

issima indie regna. et terrarum latissimo. nullo puenit ad b. hyarcam in throno sedente. et a tantali fonte porantem. inter paucos discipulos. de natura. de moribz. ac de cursu diei. et fidei. audiret docentem. Inde p elanitas. babilonios. chaldeos. medos. assyrios. parthos. syros. phenices. arabes. palestinos. raihus ad alexandria. pergit ad ethiopia. ut gignosophistas. et famosissimam solis mensam videret in sabulo. Inuenit ille vir ubiq. q. disceret. et semp proficiens. semp se melior fieret. Scripsit super hoc planissime octo voluminibus. phylostratus.

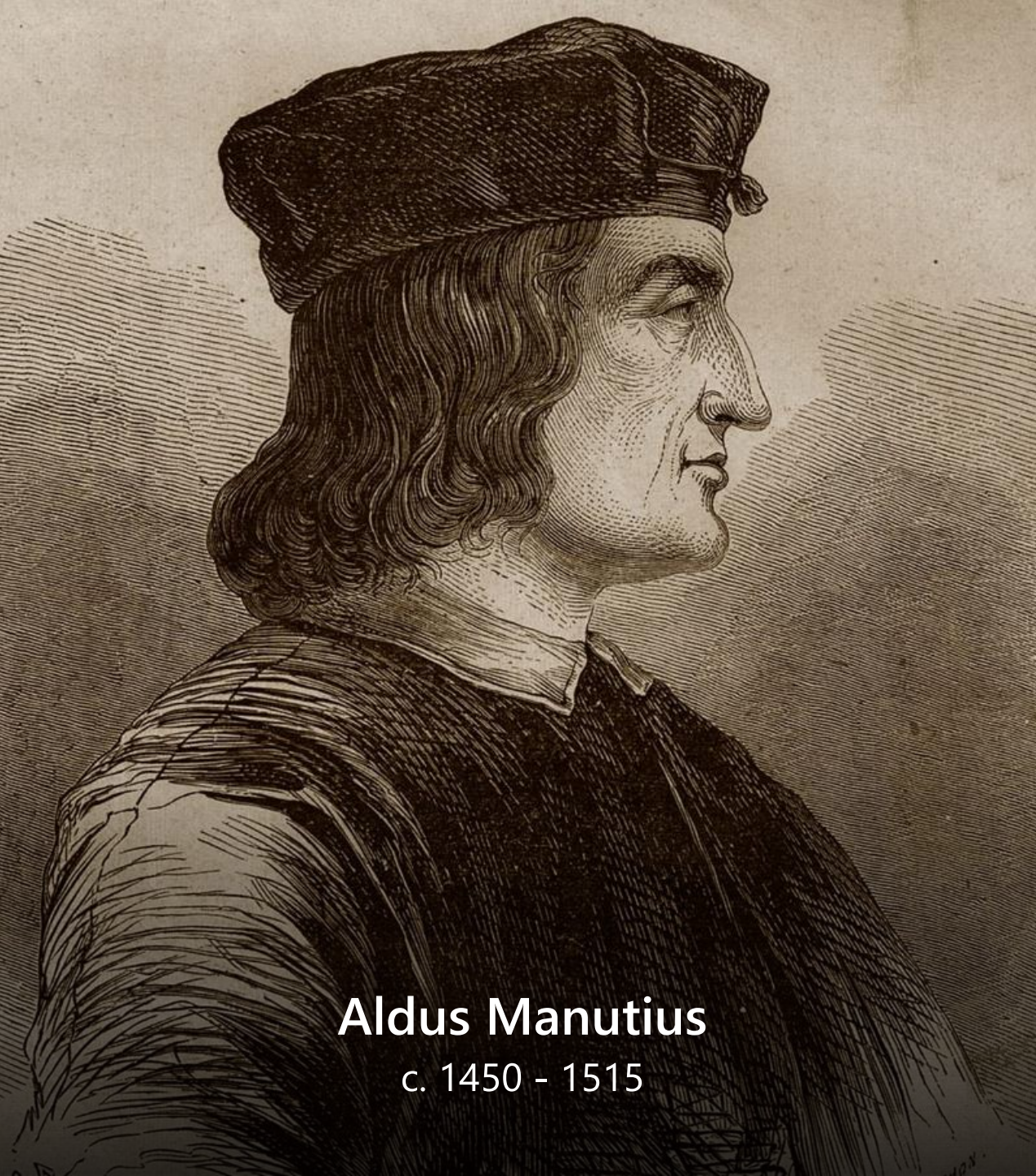
Quid loquar de secti hominibz. cu aplos paulus. uas electoni. et magister gentiu. qui de conscientia rati se hospitis loquebat. dices. An experimentu queris eius qui in me loquit xpc. Post damasci arabiisq. lustrata. ascendit iherosolimam ut videret petru. et mansit apud eu diebz quindeci. Hoc cu nuntio ebdomadis et ogdo. adis. futur. gentiu pdicator instructus erat. Rursusq. post annos quatuor. decim assumpto barnaba et tro. repro. fuit cu aplos euageliu. ne forte in uacuum curaret aut curuisset. Habet nescio qd latentis energie. uiue uoci. actus. et in aures discipuli de auditoris ore transfusus. foris sonat. Inde et

Gutenberg Bible



Johannes Gutenberg

c. 1400 - 1468



Aldus Manutius

c. 1450 - 1515



Aldus Manutius

c. 1450 - 1515









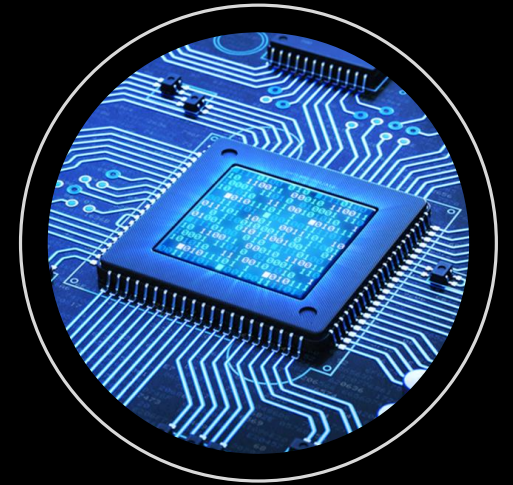
**Steam
engine**



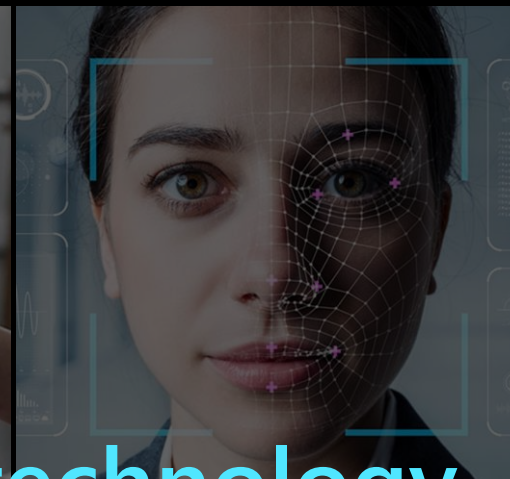
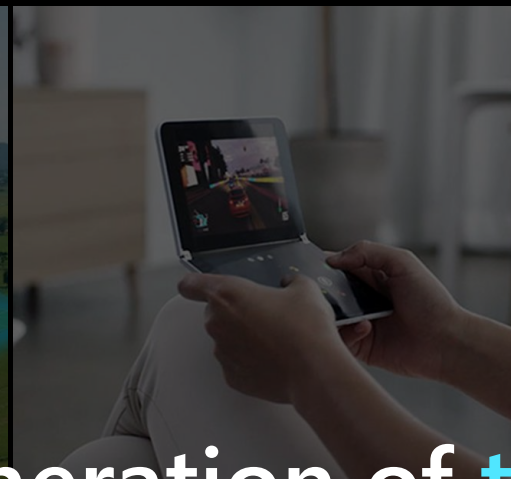
Electricity




**Internal
combustion
engine**



Microprocessor



A new generation of technology



The combustion engine
of the 21st century



Artificial intelligence
will change the world



A new generation of opportunity

The background is a dark blue field filled with a complex network of thin, light blue lines connecting small, glowing blue dots. In the center, there is a dense, bright cluster of white and light blue dots, creating a focal point of high intensity. The overall effect is one of a vast, interconnected digital or neural network.

The world's most powerful tool

The cure for cancer

Molecularly targeted therapy
Step 3 of 7: Analyzing the molecular
signature of cancerous cells



The sustainability of the planet

The quest for knowledge





A new generation of challenges



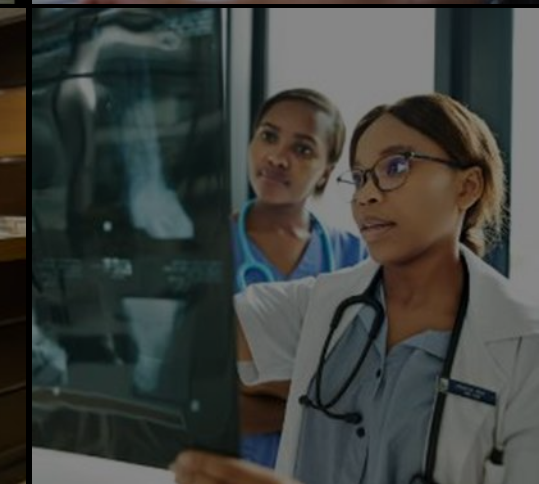
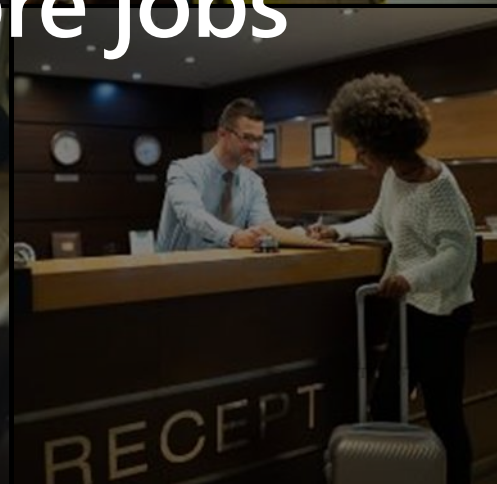
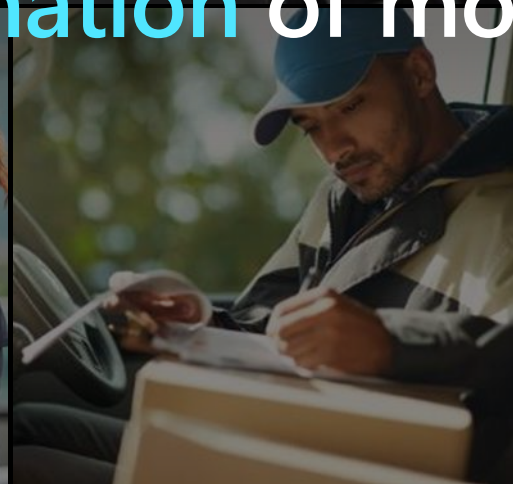
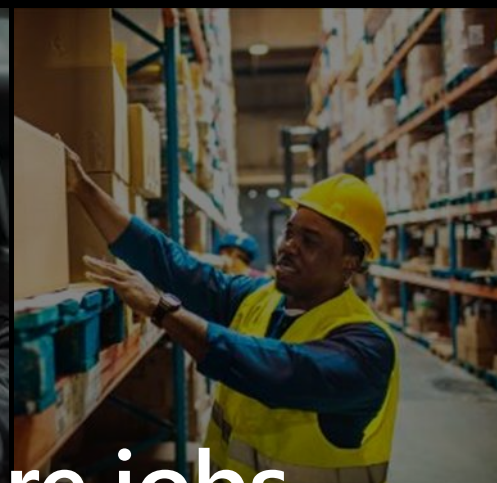
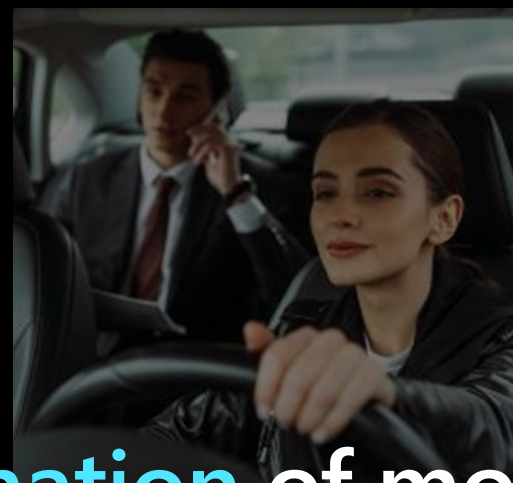
The planet's most formidable weapon



More powerful cyberattacks

The image shows three white, bullet-style security cameras mounted vertically on a yellow, ribbed cylindrical structure. The cameras are angled downwards and to the left. In the background, a blue and white grid pattern is visible. The text "Mass surveillance" is overlaid in the center of the image.

Mass surveillance



Automation of more jobs



The world's most
powerful tool...

...and the planet's most
formidable weapon

AI



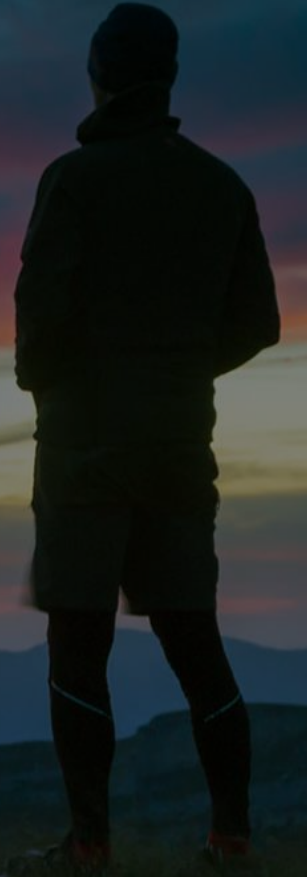
A new generation for ethics

AI

An aerial photograph of Rome, Italy, featuring St. Peter's Basilica and its large dome in the background. The foreground is filled with dense, multi-story buildings with terracotta roofs. The sky is a mix of purple and orange, suggesting a sunset or sunrise. A semi-transparent white rectangular box is centered over the image, containing the title text.

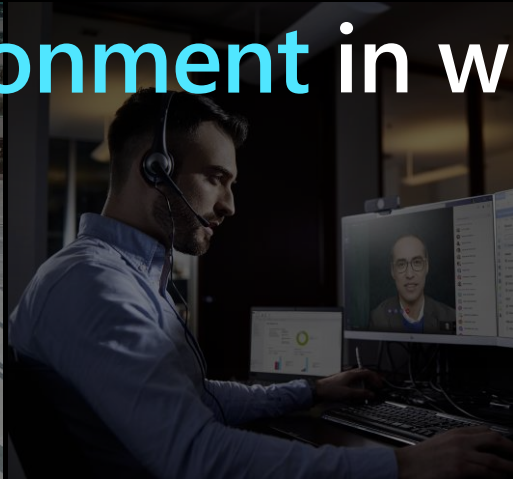
The Rome Call for AI Ethics

“Endowed with reason and conscience”



A pair of black scales of justice is centered in the frame. The scales are silhouetted against a background of a sunset or sunrise sky, with warm orange and yellow light filtering through dark, textured clouds. The scales are perfectly balanced. The text is overlaid on the central part of the scales.

“Safeguard the rights and
the freedoms of individuals”



"Serve and protect human beings
and the environment in which they live"

Digital rights in an AI era

Digital rights



A photograph of three young girls in a classroom setting, looking intently at a laptop screen. The girl in the foreground is smiling and looking towards the screen. The other two girls are slightly behind her, also looking at the screen. The image is overlaid with a semi-transparent dark grey layer, and the text "The protection of people starts with education" is written in white and light blue. The word "education" is highlighted in a light blue color.

The protection of people starts with education

A view of Earth's horizon from space, showing a bright sun rising over the horizon line, with a blue and white atmospheric glow. The background is a dark blue space filled with numerous small white stars.

A new generation of learning

The background is a dark blue gradient with a complex network of thin, glowing teal lines. These lines form a web-like structure with various polygons and triangles. Some lines are thicker and more prominent, while others are thinner and more subtle. There are also some horizontal teal bars of varying lengths scattered across the upper portion of the image. The overall effect is a high-tech, digital, or network-like aesthetic.

Technology has no conscience

The image features a pair of hands in silhouette, reaching upwards to hold a glowing sphere. The sphere is composed of a network of white lines connecting small circular nodes, some of which are highlighted with a bright orange glow. The background is a warm, orange-hued sunset sky with a bright sun partially visible behind the hands. The overall composition suggests themes of human connection, technology, and the future.

But **people** do

The image features a pair of hands in silhouette, reaching upwards and holding a glowing, interconnected network of nodes and lines. The background is a warm, orange-hued sunset or sunrise sky, with a bright sun partially visible behind the hands. The overall composition suggests themes of technology, human connection, and future aspirations.

And we must

