

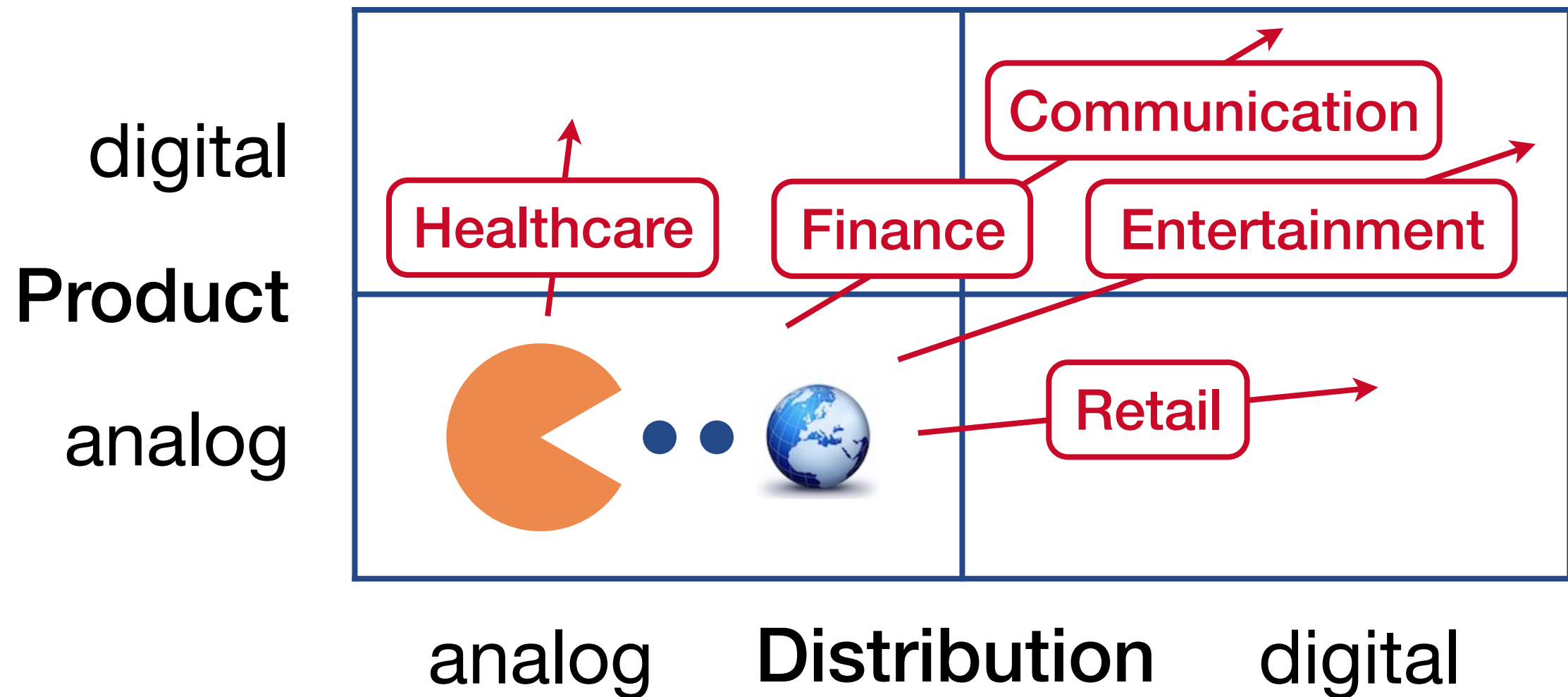


The rise of the robots

Will they take our jobs?

Software is eating the world

... because it is more productive!





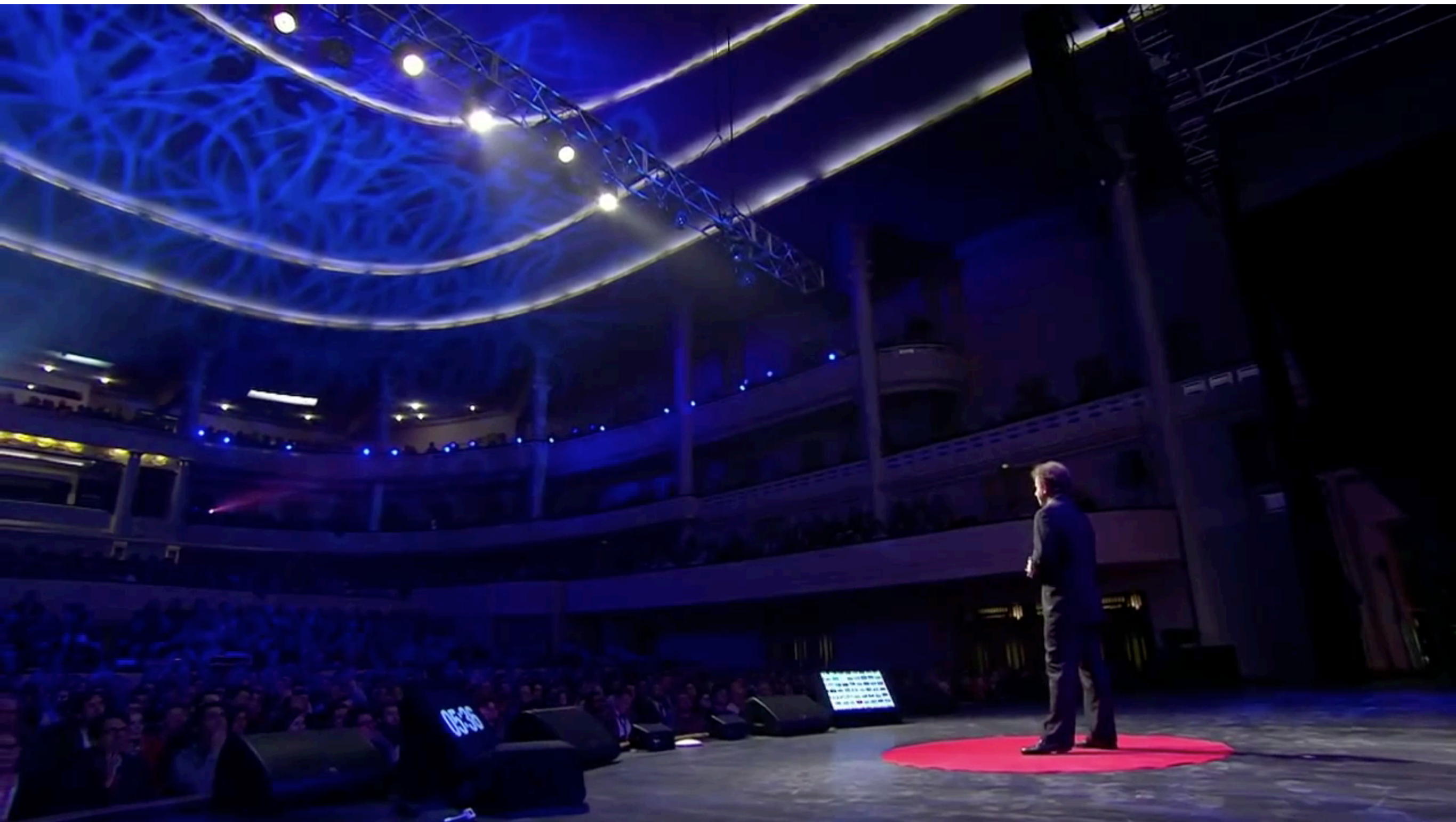
The bigger wave is just coming...

Machine learning will eat the world like nothing before it.

Computers have just learned ...

... how to see, read, write and classify.







A person riding a motorcycle on a dirt road.



Two dogs play in the grass.



A skateboarder does a trick on a ramp.



A dog is jumping to catch a frisbee.



A group of young people playing a game of frisbee.



Two hockey players are fighting over the puck.



A little girl in a pink hat is blowing bubbles.



A refrigerator filled with lots of food and drinks.



A herd of elephants walking across a dry grass field.



A close up of a cat laying on a couch.



A red motorcycle parked on the side of the road.



A yellow school bus parked in a parking lot.

MACHINE INTELLIGENCE 2.0

AGENTS

PROFESSIONAL

Howdy! x.ai clara
KASIST DigitalGenius
OVERLAP.CC meekan
fuse|machines PRIMER

PERSONAL

facebook xiaoice
assistant.ai large
nestor @awesome
Magic

OS INTERFACES

Siri Cortana VIV
maluuba api.ai
CocNEA Google Now

AUTONOMOUS SYSTEMS

AIR

SDR DJI PROJECT LOON
VERTICAL DroneDeploy
AIRDOG SKYCATCH
SKYDIO Airware LILY

GROUND

Google UBER
TESLA CRUISE
MOBILEYE
COMMA AdasWorks

SEA

LIQUID ROBOTICS
bluefin data
OPENRV
BluHaptics

INDUSTRIAL

KIVA Systems fetch
HARVEST CLEARPATH
AVIDBOTS ENERGID
rethink robotics GREYORANGE
OSARO

ENTERPRISE

SECURITY / FRAUD

Sentinel graphistry
BITSIGHT feedzai AREA1
drawbridge siftscience
CYLANCE Brighterion

HR / RECRUITING

textio hiQ gild
SpringRole entelo
unifive GIGSTER

SALES

bsense clari infer
Preact Gainsight AVISO
salespredict sentient
Vidora people pattern Prism

MARKETING

LiftIgniter
RADIUS brightfunnel
retention science AIRPR

CUSTOMER SUPPORT

CLARABRIDGE
QUANTIFIND Wiseio
ACTIONIQ FRAMED
DigitalGenius

INTERNAL INTEL

Alation ADATAO
Palantir sapho lucid
Rainbird SKIPFLAG agolo
Digital Reasoning Narrative Science

MARKET INTEL

Quid mattermark
DataFox bottlenose
PREMISE enigma
CB INSIGHTS

PLATFORMS

RESEARCH / AGI

OpenAI vicarious
Google DeepMind Numenta
Cycorp nnaise
SCALED INFERENCE 格CURIOUS
GEOMETRIC INTELLIGENCE

FULL STACK

context relevant
CognitiveScale
NVIDIA TERADEEP
QUALCOMM nervana
SYSTEMS

MACHINE LEARNING

Dato rapidminer
cortical.io AYASDI
amazon web services Azure
Machine Learning
narologics PredictionIO
SKYTREE bigml blueyonder

INDUSTRIAL IOT

ThingWorx UPTAKE
IMUBIT Preferred Networks
Alluvium xively
PLANET OS

AUDIO

Gridspace TalkIQ
nexidia vocaliq
NUANCE Expect Labs
popUP archive

VISION

ORBITAL INSIGHT
Descartes Labs DEXTRO
cortica clarifai
MetaMind PLANET LABS

DATA ENRICHMENT

diffbot Paxata
TRIFACTA iDiBON
WorkFusion loopai
CrowdFlower

INDUSTRIES

ADTECH

ADTHEORENT dstillery
BEYONDERBAL
METAMARKETS TAPAD
rocketfuel affectiva

AGRICULTURE

BLUE RIVER tule
TerraAvion mavrx
THE CLIMATE CORPORATION CERES
TECHNOLOGIES
HONEYCOMB

FOR GOOD

Conservation Metrics
DataKind DATA POP
thorn
BAYES IMPACT

RETAIL FINANCE

inVenture Affirm
earnest MIRADOR
Lendo zest finance LendUp

LEGAL

Everlaw RAVEL
LEGAL ROBOT Sseal
BEAGLE ROSS
Lex Machina

MATERIALS & MFG

zymergen AUGMATE
GINKGO BIOWORKS
ITRINE SIGHT MACHINE
TECHNOLOGIES CALCULARIO
Eigen Innovations

HEALTHCARE

deep genomics 3SCAN
enlitic Calico BUTTERFLY
RESEARCH, INC.
Atomwise Recombine color
METABIOTA GRAND ROUNDS
Google Life Sciences IBM Watson Health

INDUSTRIES (CONT'D)

EDUCATION

KNEWTON
coursera turnitin
gradescope UDACITY
KHANACADEMY

TRANSPORT & LOGISTICS

NAUTO taleris
PRETECKT
clearmetal

INVESTMENT FINANCE

Bloomberg
Quantopian
Dataminr KENSHO
ISENTIUM NEURENSIC
alphasense

TECH USER TOOLS

DATA SCIENCE

DOMINO kaggle
Sentenai sense
yseop Outlier
yhat DataRobot

MACHINE LEARNING

Cortana Analytics AlchemyAPI glowflsh
IBM Watson Platform Anodot MonkeyLearn
(h[s]) HyperScience fuzzy.io SIGOPT
Oxdata H2O SPARKBEYOND indico

OPEN SOURCE

SKYMINND TensorFlow
seldon Caffe theano
Spark MLlib Microsoft DM TK spaCy
DL4J SciKit CGT

Automation brings abundance

Many industries will
be transformed into
pure AI industries...

Capital: ↑, Wages: ↓



**Should be beneficial if we manage
it well – but we are not prepared!**

We'll give robots full autonomy

... because of

- increased speed
- high complexity
- risk of jamming

Current examples:

- financial markets
- auton. weapons



**AI is the ultimate
productivity boost!**

Participants

- Prof. Dr. Jana Koehler, Artificial Intelligence, Lucerne University of Applied Sciences & Arts
- David Iselin, KOF Swiss Economic Institute at ETH Zurich, www.oekonomenstimme.com
- Enno Schmidt, artist and co-founder of the Swiss unconditional basic income initiative
- Adriano Mannino, philosopher and president of the Foundation for Effective Altruism (EAS)

Topics

Discussion (around 15 minutes each):

- 4th Industrial Revolution (Jana Koehler)
- Its Economic Implications (David Iselin)
- Uncond. Basic Income (Enno Schmidt)
- Ethical Challenges (Adriano Mannino)

Questions from the audience (30 minutes)



Apéro at the B-Foyer

Thanks for coming!

STIFTUNG FÜR
EFFEKTIVEN
ALTRUISMUS

Panel Discussion on AI
University of St. Gallen