

ITU EVENTS

AI for Good Global Summit

15–17 May 2018
Geneva, Switzerland

*Accelerating progress
towards the SDGs*

#AlforGood

In partnership with

XPRIZE



Organized by



Artificial Intelligence

is already impacting many parts of our lives...



A full-page background image showing a view of Earth from space. The Earth's blue horizon is on the right, with a bright sun in the upper right corner creating a lens flare. The dark side of the Earth is visible, with city lights glowing as yellow and orange specks. A large, swirling white cloud formation is visible on the left side of the Earth.

**AI CAN ALSO HELP SOLVE HUMANITY'S
GRANDEST CHALLENGES**





Map poverty
with predictive
Big Data
analytics

1 NO
POVERTY



































The background of the slide is a photograph of the Earth from space. The sun is rising or setting on the left side, creating a bright lens flare and illuminating the blue horizon of the planet. The right side of the image shows the dark surface of the Earth with city lights visible, particularly in the Western Hemisphere. A semi-transparent black rectangular box is positioned in the upper right quadrant, containing white text.

In order to reap the benefits of AI,
one needs vast amounts of data that
is available through mass digitization;
an area in which developing
countries lag far behind.

We need to avoid deepening the 'digital divide'...

Challenges

- How can we avoid **unfair bias** and unlawful discrimination in AI systems?
- How can we **ensure safety** and security of AI applications?
- How is **data best processed** and managed?





- Do we understand why an **algorithm** takes a **certain decision**?
- Who will be **liable** for harm caused by AI?
- Will AI be the **end to privacy and anonymity**?

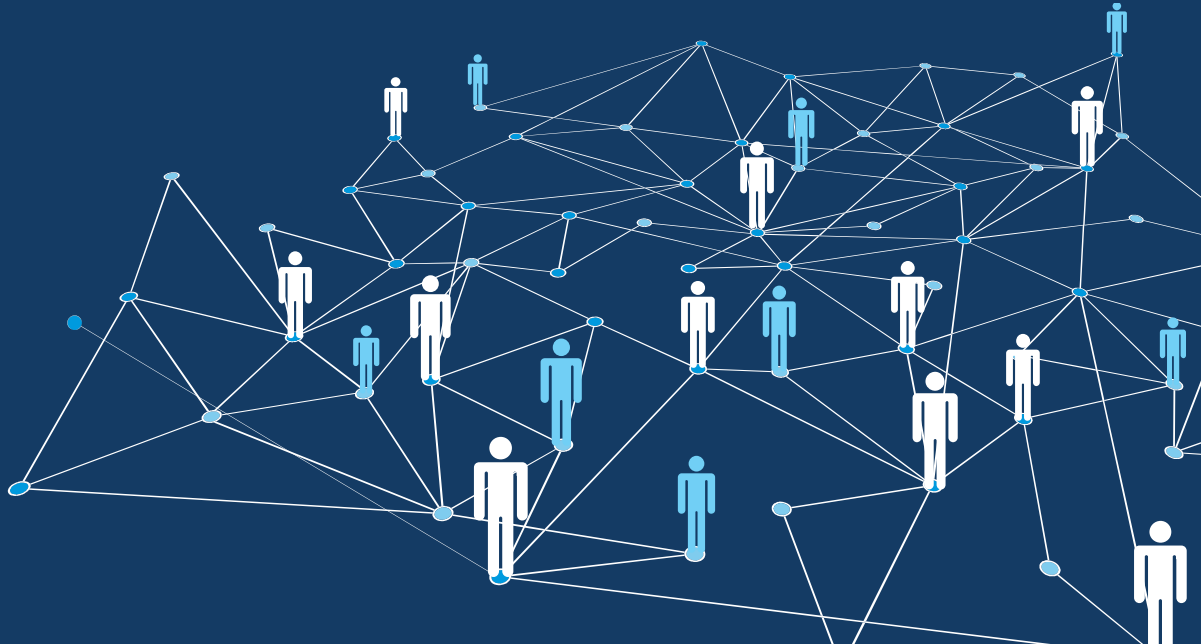




- How can AI be designed in an **accountable, transparent and ethical** manner?
- Will AI **eliminate jobs, impact welfare systems and increase inequality**?
- What kind of **policy guidance** is needed?



Every government, every company,
every academic institution and every one of us
should consider how AI will affect our future.



GOAL OF 2018 AI SUMMIT

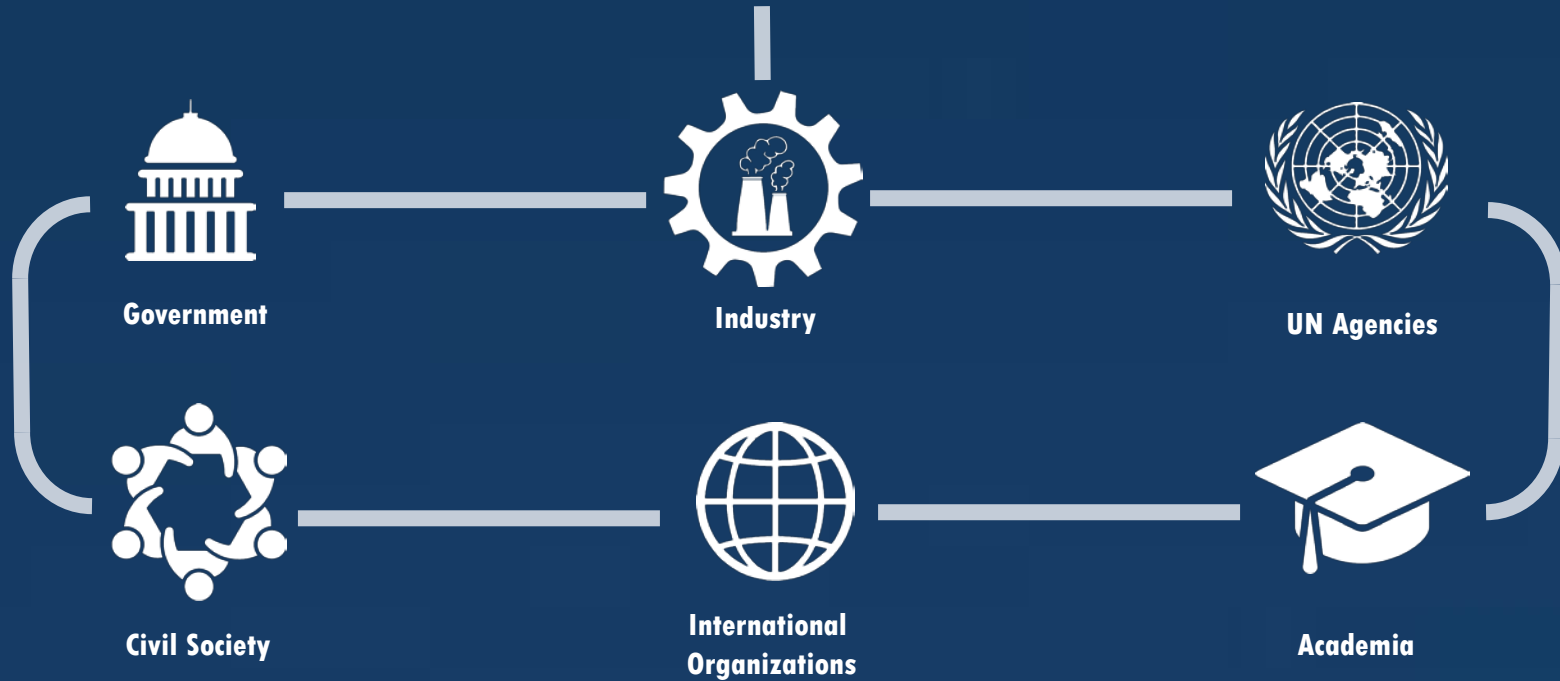
- identify **practical applications of AI** with the potential to **accelerate progress** towards the **United Nations' Sustainable Development Goals**.
- formulate strategies to ensure **trusted, safe and inclusive** development of AI technologies and **equitable** access to their benefits.



SUMMIT SNAPSHOT

- 3 day summit on 15-17 May 2018
- **Partners:** XPRIZE, ACM & 32 sister UN agencies
- **Day 1:** Plenary with AI/SDG storytellers, show & tell, AI implementations, & interactive panels
- **Day 2:** Action-oriented sessions, curated by 'AI Breakthrough Teams'
- **Day 3:** Breakthrough pitches in plenary, real-time feedback, action-oriented next steps, match-making & closing keynotes

MULTI-STAKEHOLDER APPROACH



32 UN PARTNERS



2018 PARTICIPANTS

- +700 attendees
- +60 countries
- 36% women
- 83% Developed countries
- 17% Developing countries

2018 SPEAKERS

- 148 speakers
- +30 countries
- 35% women



With more than

+120

World-renowned speakers
& panelists

MEET THE 2018 EXPERTS

AI for GOOD GLOBAL
SUMMIT



Houlin Zhao
Secretary General, ITU



Anousheh Ansari
Chairman, XPRIZE
Foundation and Space
Ambassador



Vicki Hanson
President,
Association for Computing
Machinery



**H.E. Eng. Abdullah
Alsawah**
Minister of Communication
& Information Technology,
Kingdom of Saudi Arabia



Christopher Bishop
Microsoft Technical Fellow
and the Laboratory Director,
Microsoft Research
Cambridge



**Tedros Adhanom
Ghebreyesus**
Director General,
WHO



**Mukhisa
Kituyi**
Secretary General,
UNCTAD



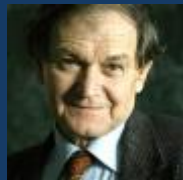
Michael Moller
Under Secretary-General,
UN



Yves Daccord
Director General,
International Committee of
the Red Cross (ICRC)



Celine Herweijer
Partner, Innovation and
Sustainability, PwC UK



Roger Penrose
Emeritus Rouse Ball
Professor of Mathematics,
University of Oxford



Stuart Russell
Professor of Electrical
Engineering and
Computer Sciences, UC-
Berkeley



Francesca Rossi
Professor at University of
Padova, and Research
Scientist at IBM Watson



**Ambassador
Amandeep Singh Gill**
Permanent Representative of
India to the Conference on
Disarmament; Taskforce on AI for
India's Economic Transformation



Silvio Micali
Turing Award Winner and
Professor of Engineering,
Computer Science and
Artificial Intelligence
Laboratory at MIT



Carolina Cosse
Minister of Industry,
Energy and Mining,
Uruguay

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Rob McCargow
Programme Leader -
Artificial Intelligence,
Technology & Investment,
PwC UK



Stephen Cave
Executive Director,
Leverhulme Centre for the
Future of Intelligence at
University of Cambridge



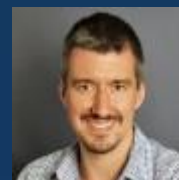
Terah Lyons
Executive Director,
Partnership on AI



Maurizio Vecchione
Executive Vice President of
Global Good and Research,
Intellectual Ventures



Kriti Sharma
VP of Artificial
Intelligence, Sage



**Christopher
Fabian**
Co-Founder, UNICEF
Innovation



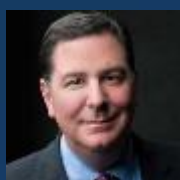
Wendell Wallach
Consultant, Ethicist, and
Scholar at Yale
University's
Interdisciplinary Center
for Bioethics



Uyi Stewart
Director of Global
Development Strategy
and Data & Analytics,
Bill and Melinda Gates
Foundation



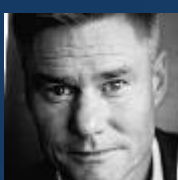
Cathy Cobey
Partner – Risk Advisory
Services, EY



Bill Peduto
Mayor, City of
Pittsburgh, USA



Wolfram Burgard
Professor of Computer
Science and Head of
Autonomous Intelligent
Systems Lab, University of
Freiburg



Einar Bjørge
Manager, UN
Operational Satellite
Applications Programme
(UNOSAT)



Thomas Wiegand
Professor, TU Berlin.
Executive Director,
Fraunhofer Heinrich
Hertz Institute



Will Marshall
Co-Founder & CEO,
Planet Labs



**Anja
Kaspersen**
Director, United
Nations Office for
Disarmament Affairs



David Li
Founder, Shenzhen
Open Innovation Lab
(SZOIL)

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Hironori Kasahara

President, IEEE Computer Society, Professor of Computer Science and Engineering, Waseda University



Carla Dualib

Secretary of Communication and Press, Diadema City Hall, Brazil



Lars Bromley

Principal Analyst and Research Advisor, UNOSAT



Marcel Salathé

Associate Professor and Head of Digital Epidemiology Lab, École polytechnique fédérale de Lausanne (EPFL)



Huw Price

Professor of Philosophy, University of Cambridge



James Crawford

CEO and Founder, Orbital Insight



Andy Chen

VP of Professional and Educational Activities, IEEE Computer Society, Partner, REDDS Venture Investment Partners, President, Catronic Enterprise



Sam Molyneux

GM, Chan Zuckerberg Initiative



Marshall Burke

Assistant Professor, Department of Earth System Science, Stanford University; Research Fellow, National Bureau of Economic Research



Stephen Ibaraki

Managing partner, REDDS. Co-Chairman, ACM Practitioner Board. Founding Chairman, IFIP Global Industry Council.



Renato De Castro

Founder and board member, City SmartUp



Amir Banifatemi

AI Lead, XPRIIZE



Frits Bussemaker

Chair, Institute for Accountability and Internet Democracy (IAID)



Mike Hinchey

President, International Federation for Information Processing (IFIP) and Professor of Software Engineering, University of Limerick



Akihiro Nakao

Professor in Applied Computer Science, University of Tokyo



Lav Varshney

Assistant Professor of Electrical and Computer Engineering, the University of Illinois at Urbana-Champaign

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Hila Oren
CEO, The Tel Aviv
Foundation



Mark Doherty
Head of Earth Observation
Exploitation Development
Division, European Space
Agency



Jonnie Penn
Google Technology Policy
Fellow,
Pembroke College at the
University of Cambridge



**Sophia & David
Hanson**
Founder and CEO,
Hanson Robotics



Robert Opp
Director of Innovation
and Change
Management Division,
WFP



Brian Markwalter
Senior Vice President of
Research and Standards,
Consumer Technology
Association (CTA)



Jacques Ludik
Founder & CEO, Cortex Logic;
Founder & President, Machine
Intelligence Institute of Africa



James Noakes
City Councillor / Mayoral Lead
for Energy and Smart City,
Liverpool (UK) City Council



Priya Prakash
Founder and CEO,
Design for Social
Change (d4Sc)



Toufi Saliba
CEO, PrivacyShell &
TodaCorp



Trent McConaghy
Founder, Ocean Protocol
and Founder & CTO,
BigchainDB



Paul Copping
Chief Innovation Officer,
Digital Greenwich



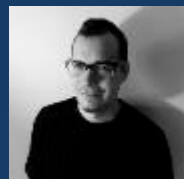
**Neil
Sahota**
World Wide Business
Development Leader,
IBM Watson



Andrew Zolli
VP of Global Impact
Initiatives, Planet Inc.



**Frans-Anton
Vermast**
Senior Strategy Advisor
and Smart City
Ambassador, Amsterdam
Smart City



**Joaquin Rodriguez
Alvarez**
Research and Professor, Escola
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Integral (EPSI); Barcelona
Coordinator, Leading Cities;

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Eyal Santo

Founder and CEO, UMo – Urban Mobility



Effy Vayena

Professor of Bioethics, Health Ethics and Policy Lab, ETH Zurich



Urs Gasser

Executive Director, Berkman Klein Center for Internet & Society at Harvard University



Matt Keller

Senior Director Civil Society, XPRIZE Foundation



Liu Yang

Astronaut and Pilot; first Chinese woman in space



Arun Shroff

Co-founder & CTO at Medindia; Director of Technology & Innovation, STAR Associates, USA



Andrejs Vasiljevs

Co-Founder and Chairman of the Board, Tilde



Ingmar Weber

Co-Founder and Chairman of the Board, Tilde



Jeon Gue Park

Principal Researcher and Project Leader, Electronics and Telecommunication Research Institute (ETRI)



P. Anandan

CEO, Wadhvani Institute for Artificial Intelligence



Ryan Budish

Assistant Director Of Research, Berkman Klein Center for Internet & Society at Harvard University



Stephen Kelly

CEO, Sage



Stefan Germann

CEO, Foundation Botnar



Dominic Haazen

Lead Health Policy Specialist, World Bank



Nao Norman Sipula

CEO and Founder, WattIF Health



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Anne Torill Nordsletta

Head of Department, Health Analytics, Norwegian Centre for E-health Research



Becky Inkster

Honorary Research Fellow, Department of Psychiatry, University of Cambridge



Dina Machuve

Lecturer, Nelson Mandela African Institute of Science and Technology and Technical Committee Member for Data Science Africa



Kanta Dihal

Research Project Coordinator, Leverhulme Centre for the Future of Intelligence at University of Cambridge



Krishna Gummadi

Head of Networked Research Systems Group, Max Planck Institute for Software Systems



Jochen Moninger

Director of Innovation, Welthungerhilfe



Silja Baller

Practice Lead, Digital Economy and Innovation, World Economic Forum



Kathleen Siminyu

Data Scientist, Africa's Talking Ltd; Nairobi Team Member, Women in Machine Learning & Data Science



Matteo Berlucci

CEO & Co-Founder, Your.MD; Entrepreneur in Residence, ETH Zurich



Rumman Chowdhury

Senior Principal of AI, Accenture



Irakli Beridze

Senior Strategy and Policy Advisor, United Nations Interregional Crime and Justice Research Institute, UNICRI



David Danks

Department Head and Professor of Philosophy and Psychology, Carnegie Mellon University



Jess Whittlestone

Postdoctoral Research Associate, Leverhulme Centre for the Future of Intelligence at University of Cambridge



Adrian Weller

Programme Director for Artificial Intelligence, Alan Turing Institute



Nagla Rizk

Professor of Economics, The American University in Cairo; Founding Director, Access to Knowledge for Development Center (A2K4D)



Shinjinu Kundu

Research Fellow, University of Pittsburgh Medical Center

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Salem Alelyani
Director of Artificial Intelligence Unit, King Khalid University



Clara Palau Montava
Technology Team Lead, UNICEF



Dafna Feinholz
Chief of Section, Bioethics and Ethics of Science, UNESCO



whurley
Founder & CEO, Strangeworks and Senior Member, IEEE



Kiran Arun
Programmer, Kiran Codes



Sara Rendtorff-Smith
Applied Research Lead for Public Interest AI Projects, MIT



Fengchun Miao
Chief of Unit for ICT in Education, UNESCO



Elena Goldstein
Project Coordinator on the Ethics and Governance of Artificial Intelligence initiative, Berkman Klein Center for Internet & Society at Harvard University



Jeanine Vos
Head of SDG Accelerator, GSMA



Elina Sinel
Founder, Teens in AI; Founder, Acorn Aspirations



Prashant Jha
BMJ Innovation and All India Institute for Medical sciences



Joseph Dunn
Founding Chair, Board of Directors, The Zero Abuse Project



Joelle Casteix
Founding Member, Board of Directors, The Zero Abuse Project



Aimee van Wynsberghe
Co-Founder and Co-Director, Foundation for Responsible Robotics



Alexandre Cadain
Co-Founder and CEO, ANIMA; Co-lead of Postdigital Research Program, Ecole normale supérieure



Mathilde Forslund
External Engagement Consultant, Foundation Botnar



BREAKTHROUGH TEAMS

The heart of the Summit...



4 AI Teams
curate tracks &
propose ideas
for action



Address global
challenges (SDGs)
solved with a unique
aspect of AI



Framing of issues,
key research, insights
+ show & tell



Interactive
sessions
with Mentors



Ideas for action,
evaluated by
feedback panel &
mentors

AI BREAKTHROUGH TEAMS

AI + Satellite



AI + Health



Trust in AI



AI + Smart
cities





3 AI + Satellite projects



✓ Predicting deforestation



✓ Tracking livestock to reduce conflict



✓ Micro insurance for crops



3 AI + Smart city projects



✓ Tailored smart city



✓ Give a voice to the voiceless



✓ Internet of cities



15 AI + Health projects



✓ Mining health trends in realtime



✓ AI Digital Identification



✓ AI for Health Focus Group with WHO



9 Trust in AI projects

TrustFactory.ai

Open-source the challenge of engineering and earning trust for AI for Good

- ✓ Stakeholder communities
- ✓ Across boundaries
- ✓ AI systems



AI REPOSITORY

AI for GOOD GLOBAL
SUMMIT



Project ID	Submission ID	Submission date	Last updated	Entity	Entity type	Entity country	Project title	Project status
12841								
157074217	70541	22/03/2018	22/03/2018	Univ. of...	Business sector entities	United States of America	Using Financial Transaction Data to Meas...	Running/active
1579452183	70541	21/03/2018	21/03/2018	IBM Corp.	Business sector entities	Italy	Smart Greenhouses with use of Machine Learning, Dig...	Running/active
1579452189	70541	22/03/2018	22/03/2018	IBM Corp.	Business sector entities	Italy	Cultural Data Marketplace (Africa, Asia and Pacific, Ea...	Running/active
1579452191	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Artificially Intelligent Legal Information Research Asse...	Running/active
1579452192	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Credit risk scoring for smallholder farmers (Brazil, India...	Running/active
1579452193	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	The Real Time Fashion System (Italy)	Running/active
1579452194	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Autonomic Asynchronous Recursive Neural Network (...)	Running/active
1579452195	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	SimInchikunaryku (Asia and Pacific, Latin Americ...	Running/active
1579452196	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	EnricsNet Dataset for Machine Ethics (Belgium)	Running/active
1579452197	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	IBM Watson Artificial Intelligence XPRIZE (Australia, B...	Running/active
1579452198	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Jagutsu Livestock Application (Africa, Latin America an...	Running/active
1579452199	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Millennia2025 Mad-Skills: Share and value your Skills f...	Running/active
1579452200	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	MedUp - AI Powered Healthcare Platform (Indonesia)	Running/active
1579452201	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Empowering Commerce Through Artificial Intelligence - Empowering Commerce Through Artificial Intelligence	Running/active
1579452202	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Imad Bin Rashid for Smart Learning (United Arab Emirates)	Running/active
1579452203	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Transforming Manual Surface Maintenance Equipment (United States of America)	Running/active
1579452204	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Multi-layer Neural Network for Breast Cancer Classific...	Running/active
1579452205	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Center for law-enforcement services (Kazakhstan)	Running/active
1579452206	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	The big data platform of smart city constructing and de...	Running/active
1579452207	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	ITU-T X.1035 - Security requirements and reference arc...	Running/active
1579452208	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Criminal Investigation System of Georgia (Georgia)	Running/active
1579452209	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Web service evaluation and verification (Iran (Islamic R...	Running/active
1579452210	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	AI Driven Smart Cities (France)	Running/active
1579452211	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Rainforest Connection (Afghanistan)	Running/active
1579452212	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	The Refuse Landfill Aerobic Ecological Restoration Tec...	Running/active
1579452213	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	The research of urban and transportation planning bas...	Running/active
1579452214	70541	21/03/2018	21/03/2018	Univ. of...	Business sector entities	United States of America	Jagutsu Livestock App (Uganda)	Running/active

Search database for projects and initiatives

Submit new entry

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Latest Entries

Browse by SDG

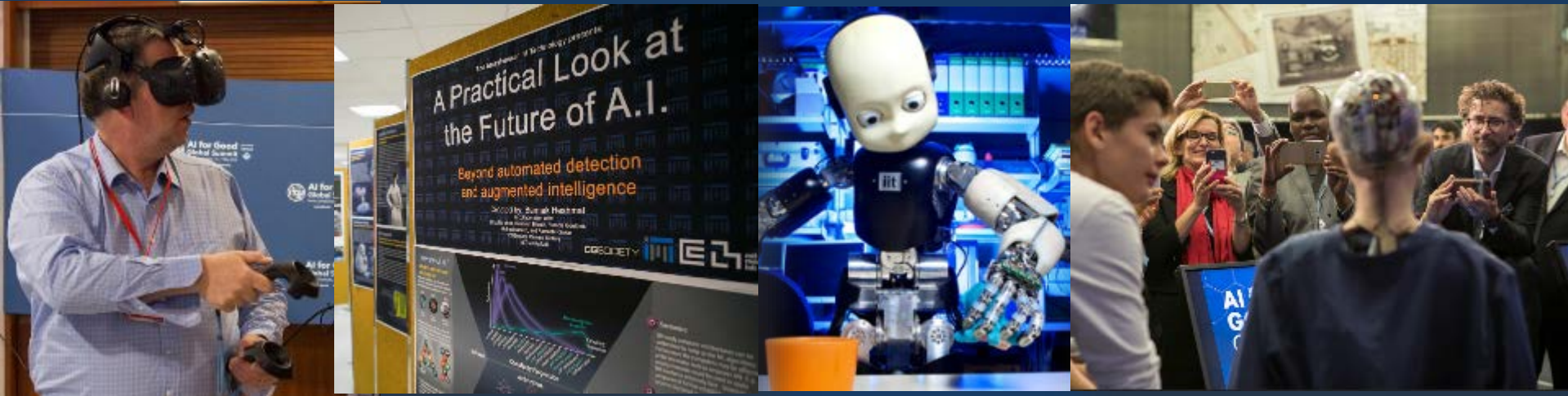
- Saroya (Afghanistan)
- The Tech She Can Charter (United Kingdom)
- USING FINANCIAL TRANSACTION DATA TO MEAS...
- ICub (China, France, Germany, Italy,...)
- Smart Greenhouses with use of Machine Learning, Dig...
- Cultural Data Marketplace (Africa, Asia and Pacific, Ea...
- Artificially Intelligent Legal Information Research Asse...
- Credit risk scoring for smallholder farmers (Brazil, India...
- The Real Time Fashion System (Italy)
- Autonomic Asynchronous Recursive Neural Network (...)
- SimInchikunaryku (Asia and Pacific, Latin Americ...
- EnricsNet Dataset for Machine Ethics (Belgium)
- IBM Watson Artificial Intelligence XPRIZE (Australia, B...
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- Millennia2025 Mad-Skills: Share and value your Skills f...
- MedUp - AI Powered Healthcare Platform (Indonesia)
- Empowering Commerce Through Artificial Intelligence - Empowering Commerce Through Artificial Intelligence
- Imad Bin Rashid for Smart Learning (United Arab Emirates)
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- Multi-layer Neural Network for Breast Cancer Classific...
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- ITU-T X.1035 - Security requirements and reference arc...
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- Rainforest Connection (Afghanistan)
- The Refuse Landfill Aerobic Ecological Restoration Tec...
- The research of urban and transportation planning bas...
- Jagutsu Livestock App (Uganda)



EXHIBITION & DEMOS

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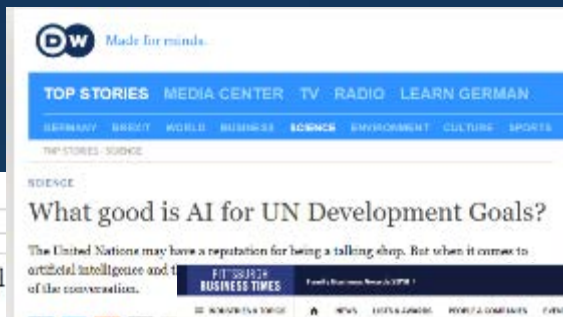
- 14 AI & Robotics demos
- Sophia, ICub, Laura, XPRIZE AI competitors, etc...



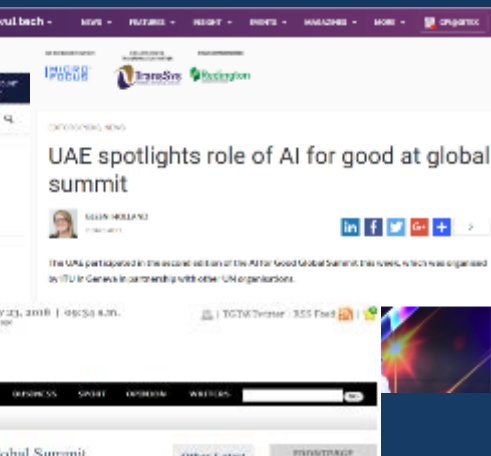
XINHUANET

Source: [Kubota](#) | 2018-03-17 12:33:04 | Editor: Liangya

ITU Secretary-General Zhao Houlin speaks during the summit with the intelligence for AI" held in Geneva, Switzerland, May 17, 2018. On the Society Day (WTTSD), the United Nations on Thursday called for focus on the UN Sustainable Development Goals (SDGs), particularly around



AI Weekly:
future of A



MEDIA



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NewScientist



الميادين
Al Mayadeen



CGTN

PLUR·AL·ITY
PRESS

LE TEMPS



genevabusinessnews



MEDIA



MEDIA





Thank You!

Thank you UN ITU & Sponsors
for inviting Pittsburgh! The AI for
Good movement is becoming a
global movement.



Bill Peduto
Mayor
Pittsburg

Thanks [@ITU](#) for an excellent
2018 AI For Good conference
and AI For Health Track. New
partnerships and momentum
springing forwards.



Adam Perold
CEO, Element

What a fantastic event
2nd edition of [#AIforGood](#)
has been! Thank you
[@ITU](#) team for making it a
success!



Maria Axente
PWC



AI is a human issue
and not a technical issue...





SAVE the DATE!!!

28-30 May 2019

*Volunteers welcome 😊

For more info,
Visit [our website](#)
or Contact : AI@itu.int