



AI for Good

LF AI & Data Day – EU Virtual

ITU's AI Activities

Dr Bilel Jamoussi

ITU Telecommunication Standardization Sector

10 June 2021



ITUEvents



AI for Good

Global Summit

*Accelerating the United Nations
Sustainable Development Goals*

ALL YEAR
ALWAYS **ONLINE**

aiforgood.itu.int

XPRIZE



AI for Good | Products

Learn



Build



Connect





AI for Good

| Large amount of content, live + replay

21 APRIL Wednesday Past Event

Build

AI for Good Innovation Factory - LIVE Pitching Session

16:00 CEST, Geneva

JOSEPH K. FORTNER, SASHA WELLS

Innovation Factory

Innovation, SDGs

VIEW DETAILS

21 April

21 APRIL Wednesday Past Event

Build

Towards Autonomous 6G Networks and the Role of Advanced Machine Learning Techniques

15:00 - 16:00 CEST, Geneva

MELIJE EROL-KANTARCI

ITU AI/ML in 5G Challenge

5G

VIEW DETAILS

21 April

22 APRIL Thursday Past Event

Learn

Trustworthy AI: Steps Toward Trustworthy Machine Learning

17:00 CEST, Geneva

THOMAS G. DIETTERICH, WOLFGANG BUCHNER

Discovery, Trustworthy AI

Safety

VIEW DETAILS

22 April

04 MAY Tuesday Past Event

Learn

AI for Good in Action - Crowdsourcing AI for Future Resilience - Part 3

16:00 - 17:00 CEST, Geneva

BABAK HODJATI, ROYD M. MURRAY

Webinar

SDGs

VIEW DETAILS

4 May

05 MAY Wednesday Past Event

Learn

Malware and Machine Learning - A Match Made in Hell

16:00 CEST, Geneva

MIKKO HYPONEN, ANJA S. PEREIRA

Keynote

Cybersecurity, Safety

VIEW DETAILS

5 May

05 MAY Wednesday Past Event

Build

Unleashing the Potential of Machine Learning to Address Spatial Reuse in Future IEEE 802.11 WLANs: An Introduction to Two Problem Statements for the ITU AI/ML Challenge

14:00 - 15:00 CEST, Geneva

FRANCESC WILHELM

ITU AI/ML in 5G Challenge

5G

VIEW DETAILS

5 May

27 APRIL Tuesday Past Event

Build

Multidevice Localization with mmWave Signals in Factory Environments

15:00 - 16:00 CEST, Geneva

NURIA GONZALEZ PRELCIC

ITU AI/ML in 5G Challenge

VIEW DETAILS

27 April

27 APRIL Tuesday Past Event

Learn

Workshop: Satellite Data Analysis and Machine Learning Classification with QGIS - Part 1

14:00 - 16:00 CEST, Geneva

MARIA ANTONIA BROVELLI, GORICA BRATIC

Webinar

SDGs

VIEW DETAILS

27 April

29 APRIL Thursday Past Event

Learn

Trustworthy AI: Adversarial Attacks and Defences

17:30 CEST, Geneva

ALEKSANDER MADRY, WOJCIECH SAMEK

Discovery, Trustworthy AI

Safety

VIEW DETAILS

29 April

07 MAY Friday Past Event

Learn

Democracies.AI: Exploring the Promise of AI for Civil Society Participation in the Policy-Making Process

11:00 CEST, Geneva

JEROME DUBERRY

On the Go!

Ethics, Justice, Strong Institutions

VIEW DETAILS

7 May

11 MAY Tuesday Past Event

Learn

Workshop: Satellite Data Analysis and Machine Learning Classification with QGIS - Part 2

14:00 - 16:00 CEST, Geneva

MARIA ANTONIA BROVELLI, GORICA BRATIC

Webinar

SDGs

VIEW DETAILS

11 May

12 MAY Wednesday Past Event

Build

Towards Cognitive Autonomous Networks (5G and Beyond)

14:00 - 15:00 CEST, Geneva

HENNING SANNECK

ITU AI/ML in 5G Challenge

5G

VIEW DETAILS

12 May

13 MAY Thursday Past Event

Learn

AI for Heart Attack Prevention: The Story of Iker Casillas, World's Top Winning Goalkeeper

16:00 - 17:00 CEST, Geneva

IKER CASILLAS, MANUEL MARINA BREYSSE

Keynote

Health, Sport

VIEW DETAILS

13 May

18 MAY Tuesday Past Event

Learn

RoboCup is RoboCup, What's That?

OLIVER LY

Perspectives

Innovation, Sport

VIEW DETAILS

18 May

20 MAY Thursday Past Event

Learn

Trustworthy AI: Poisoning Attacks on AI

15:00 CEST, Geneva

BATTISTA BIGGIO, WOJCIECH SAMEK

Discovery, Trustworthy AI

Safety

VIEW DETAILS

20 May

25 MAY Tuesday Past Event

Learn

Developing Girl's Digital and AI Skills for More Inclusive AI

15:00 CEST, Geneva

PATTY ALLEMAN, ECEM YILMAZHALLOGLU

Webinar

Education, Inclusivity

VIEW DETAILS

25 May

26 MAY Wednesday Past Event

Learn

AI and Health: Seeing the future: AI-based Risk Assessment in Health

16:00 CEST, Geneva

REGINA BARZILAY, NAOMI LEE

AI and Health, Discovery

Health

VIEW DETAILS

26 May

27 MAY Thursday Upcoming

Learn

Trustworthy AI: XAI and Trust

15:00 CEST, Geneva

GREGOIRE MONTAVON, WOJCIECH SAMEK

Discovery, Trustworthy AI

Safety

VIEW DETAILS

27 May

21 MAY Friday Past Event

Build

Graph Neural Networking Challenge 2021: Creating a Scalable Network Digital Twin

14:00 - 15:00 CEST, Geneva

JOSE SUAREZ-VARELA

ITU AI/ML in 5G Challenge

5G

VIEW DETAILS

21 May

21 MAY Friday Past Event

Learn

Smart Cities, Smart Mobility: Exploring AI for Future Communities

10:00 - 10:30 CEST, Geneva

GURKAN SOLMAZ

On the Go!

Community, Smart Cities, Smart mobility

VIEW DETAILS

21 May

25 MAY Tuesday Past Event

Build

Machine Learning for Joint Sensing and Communication in Future Millimeter Wave IEEE 802.11 WLANs

16:00 - 17:00 CEST, Geneva

JOHN KAMARA, MELISSA SASSI

ITU AI/ML in 5G Challenge

5G

VIEW DETAILS

25 May

01 JUNE Tuesday Upcoming

Build

Meet AI for Good African Startups - Live Pitching Session 2

16:00 CEST, Geneva

JOHN KAMARA, MELISSA SASSI

Innovation Factory

Innovation, SDGs

VIEW DETAILS

1 June

02 JUNE Wednesday Upcoming

Learn

AI Policy, Standard and Metrics for Autonomous and Assisted Driving

13:00 - 16:00 CEST, Geneva

CHAESUB LEE, BRYN BALCOMBE

Webinar

Safety, Smart mobility

VIEW DETAILS

2 June

02 JUNE Wednesday Upcoming

Build

Meeting of the ITU Focus Group on AI for Autonomous and Assisted Driving (FG-AI4AD)

13:00 - 16:00 CEST, Geneva

BRYN BALCOMBE

Focus Group

VIEW DETAILS

2 June



AI for Good

| ITU: Five Focus Groups with “AI” in the title



**Machine Learning
and 5G**

ITU Focus Group



**AI for Autonomous
and Assisted Driving**

ITU Focus Group



**AI for Environmental
Efficiency**

ITU Focus Group



AI for Health

ITU-WHO Focus Group

with



**World Health
Organization**



**AI for Natural
Disaster Management**

ITU Focus Group

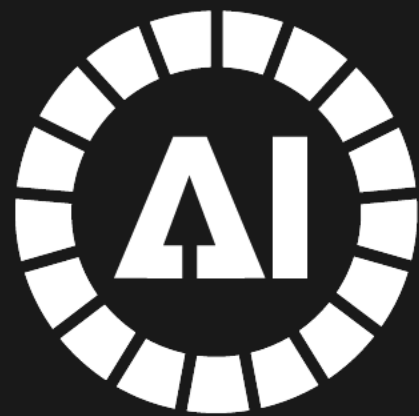
with



**WORLD
METEOROLOGICAL
ORGANIZATION**

+





AI for Good

Machine Learning in 5G Challenge

*Applying machine learning
in communication networks*



**ITU AI/ML in 5G
Grand Challenge Finale**

*Applying machine learning in
communication networks*

2020 Edition of ML5G Challenge

1300+ participants

911 teams

62 countries

11 regional hosts

23 problem statements

10+ ITU Recommendations
and Specifications

100 AI/ML in 5G solutions

30+ GitHub repositories 

ITU AI/ML in 5G Grand Challenge Finale

*Applying machine learning in
communication networks*

Best solutions published in peer-reviewed ITU Journal

on its way to an
impact factor ...



ML5G

AI/Machine Learning in 5G Challenge

*Applying machine learning in
communications networks*

**2021 Edition of ML5G Challenge
to start in a few days**

Challenge website:

<https://aiforgood.itu.int/ai-ml-in-5g-challenge/>

Join us on slack:

<https://bit.ly/383NvvW>



Machine Learning Sandbox

ML sandbox enables

- testing,
- training, and
- evaluation

of ML models in a safe environment before their application in the real world

