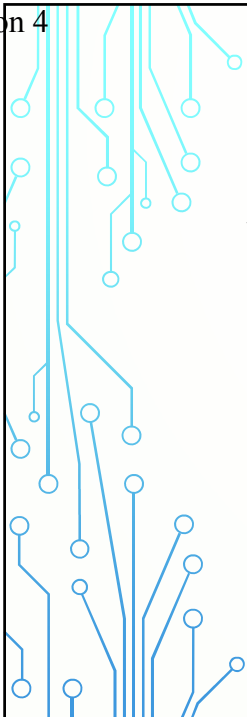


27TH OSCE ECONOMIC AND ENVIRONMENTAL FORUM
CONCLUDING MEETING

Session 4



SECURING & EMPOWERING HUMAN BEINGS IN THE DIGITAL ERA

Paving the way to a more peaceful cyberspace

BY ANNEKA SHALLY
MEMBER OF THE CORE GROUP OF EXPERTS
OSCE'S #PERSPECTIVES2030 INITIATIVE



ACHIEVING BETTER CYBERSECURITY: CONSIDERING THE HUMAN SIDE OF THE EQUATION

How can we empower people to be able to make the best cybersecurity decisions possible, in all aspects of their life, from the workplace to at home?



Research repeatedly suggests that as many as 90% of successful cyber attacks involve some form of human error

Going beyond awareness, we need to promote and implement changes in habits and behaviour

FORGE IMAGINATIVE PARTNERSHIPS!

CASE STUDY: CYBSAFE

“Cyber risks are not going to be solved by focusing on technology alone; the human side of the equation matters.”

– CybSafe



CybSafe uses innovative technology that fuses psychology and behavioural science with artificial intelligence and data science to transform cybersecurity and data protection awareness, behaviour and culture.

83% of CybSafe users are more likely to see themselves as part of the security solution.

81% of CybSafe users are likely to encourage good cybersecurity measures with friends and family

USING NEW TECHNOLOGY FOR GOOD: AI

Like all advances.. Artificial Intelligence brings with it many positive benefits for society, as well as dangerous developments

According to research, there are fewer than 10,000 people worldwide who are able to tackle serious AI problems

“Making lifelong learning central to policy agendas is an important step to fostering a workforce that is fit for the future. Public-private partnerships, access to training and information about technology that is grounded in fact rather than hype are key levers in helping businesses and individuals reskill and upskill.”

<https://www.nesta.org.uk>

The logo for 'Elements of AI', consisting of two white circles of different sizes on a dark blue background.

Elements of AI

Developing an AI Strategy That Protects Human Rights

“There is an urgent need for a compelling counter-narrative to the reflex of nation-state control. A human-centric approach to cybersecurity supplies such a narrative, conceiving of our communications ecosystem as an essential arena for the exercise of human rights”

Ronald J. Deibert – Towards a Human-Centric Approach To Cybersecurity

“An open discussion on whether or not humanity accepts the fact that technology is already crossing a threshold after which its creations might not be controllable for humans anymore, must be encouraged.”

Regina Surber, ICT4Peace Foundation: Artificial Intelligence, Autonomous Technology, Lethal Autonomous Weapons and Peace Time Threats.

BE A PLATFORM FOR DISCUSSION!

Concrete Guidelines on AI Need to be Established for the OSCE Area



Trust - Can I trust this information?

Recourse - Do I have recourse?

Understanding and Education - Do I understand the technology and implications?

Security/Safety - Am I safe? Is this a secure system? Secure interaction?

Transparency - Can I see the methodology and processes through which this information is being provided or decision being taken?



ASILOMAR AI Principles

“Artificial intelligence has already provided beneficial tools that are used every day by people around the world. Its continued development, guided by the following principles, will offer amazing opportunities to help and empower people in the decades and centuries ahead.” <https://futureoflife.org/ai-principles/>

BE A REFERENCE POINT!

ACTION POINTS!

Establish imaginative partnerships

Make lifelong learning central to policy agendas

Develop strategies that place human beings at the centre

Establish concrete guidelines on AI for the OSCE area

THANK YOU FOR YOUR TIME!

Further Reading & References

CybSafe: <https://www.cybsafe.com>

NESTA: <https://www.nesta.org.uk>

ICT4Peace Foundation: <https://ict4peace.org/activities/>

Elements of AI: <https://www.elementsofai.com>

Future of Life: <https://futureoflife.org>

Barbara Weekes, ICT4Peace Foundation, Digital Human Security 2020:

<https://ict4peace.org/wp-content/uploads/2019/08/ICT4Peace-2018-Digital-Human-Security.pdf>

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Ronald J. Deibert, Towards a Human-Centric Approach to Cybersecurity:

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