

AFTERWORK National delegates in standardization









Dr. Jean LANCRENON ANEC GIE





Mr. Jérôme HOEROLD ILNAS/OLN



Dr. Emilia TANTAR Black Swan LUX

Dr. Jean-Philippe HUMBERT ILNAS

Speakers

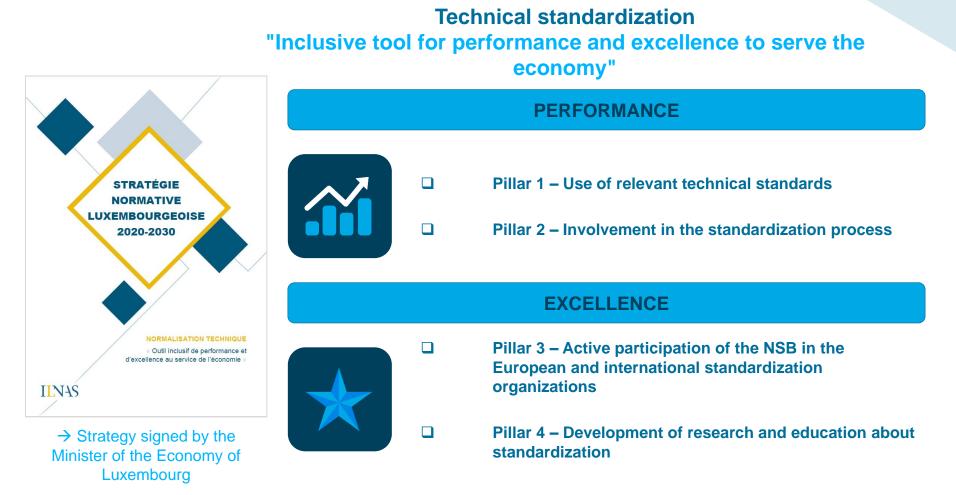


Dr. Jean-Philippe HUMBERT ILNAS





ILNAS I. Luxembourg standardization strategy 2020-2030



ILNAS I. Luxembourg standardization strategy 2020-2030



IINAS II. Research activities

ILNAS | IIII. II

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A. Research program "Technical Standardisation for Trusted Use in the Field of Smart ICT" (2017-2020)

Research program "Technical Standardisation for Trusted Use in the Field of Smart ICT" (2017-2020) in collaboration with the University of Luxembourg



IINAS II. Research activities

A. Research program "Technical Standardisation for Trusted Use in the Field of Smart ICT" (2017-2020)

Recent updates

- Ms. Saharnaz Dilmaghani
 - Winner of the 'Young Researcher' category of the CEN and CENELEC Standards+Innovation Awards
 - PhD thesis will be defended in Q1 or Q2 2022



- Dr. Nader Samir Labib

- PhD thesis defended in Q4 2021
- Title: "A Distributed Unmanned Aerial Vehicles Traffic - Management System"





IINAS II. Research activities

B. Research program "Technical Standardisation for Trustworthy ICT, Aerospace, and Construction" (2021-2024)

Research program "Technical Standardisation for Trustworthy ICT, Aerospace, and Construction" (2021-2024) in collaboration with the University of Luxembourg

Trustworthiness

Security



Problem of the diversity of Internet of Things devices for intelligent buildings Interoperability and optimization of the use of resources; Dynamic reporting tools; Intelligent resource allocation techniques;

ICT

Artificial intelligence Evaluate, analyze and develop the aspects of confidentiality, trust and security of Artificial Intelligence systems. Management and implementation:

- 1 postdoc
- 3 PhD students

Data Privacy



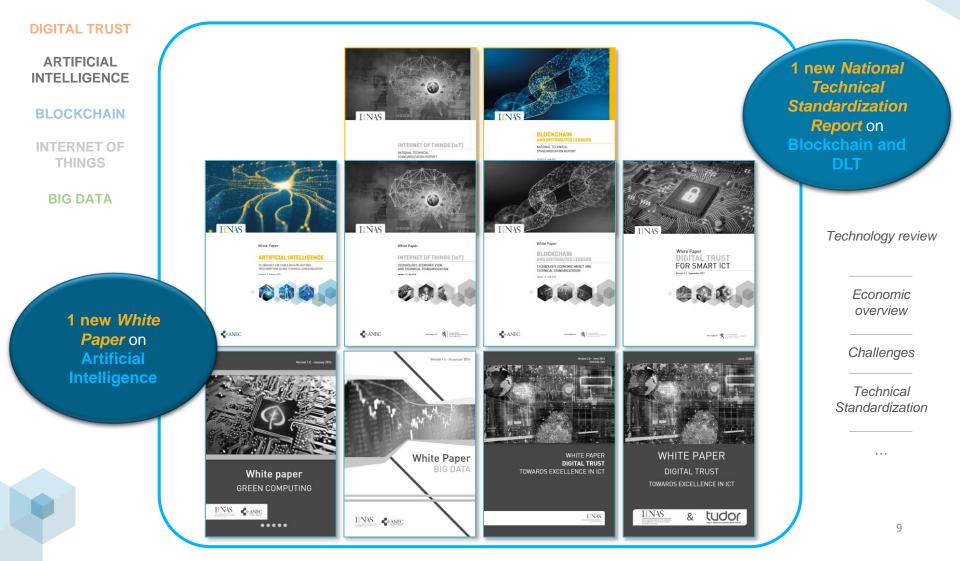
Prospects for space trade, exploration and mining Interoperability; Coordination and synchronization of swarms of spacecrafts, satellites and systems that will be sent into space to carry out new missions; ...



ILNAS II. Research activities

C. White Papers & Technical Reports ILNAS

2021 - ILNAS Research activities



ILNAS III. Education about Standardization

Master MTECH

Master MTECH – ILNAS in collaboration with the University of Luxembourg and the Chamber of Employee

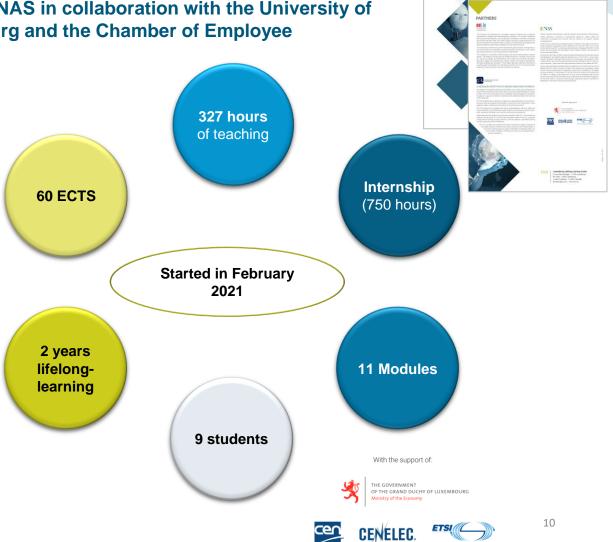
STANDARDISATION	ECTS
Smart Secure ICT and Innovation	1
Technical Standardisation	3
TOTAL	4

SMART ICT	ECTS
Smart ICT Technologies I	5
Smart ICT Technologies II	5
TOTAL	10

DIGITAL TRUST FOR SMART ICT	ECTS
Security for Smart ICT I	2
Security for Smart ICT II	3
Trust Architectures for Smart ICT	4
TOTAL	

TECHNOPRENEURSHIP	ECTS
Management of Business and Technical Innovation	3
Digital Intelligence	2
Legal Aspects	2
TOTAL	7

MASTER THESIS	ECI
Master Thesis	30
TOTAL	30



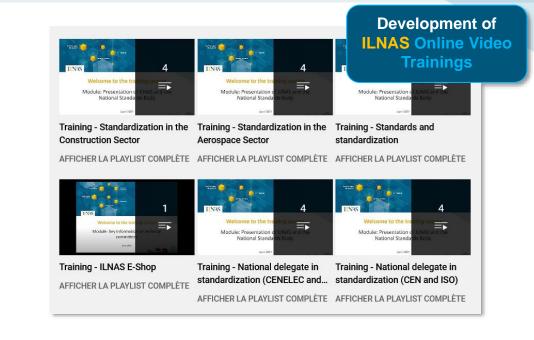
Master MTECH

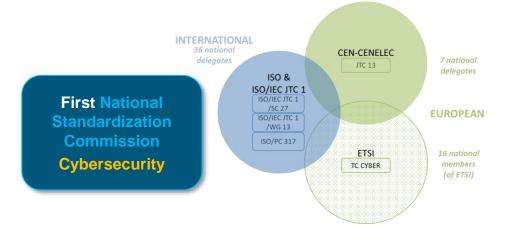
The Standards People

IV. Products and Services

Some other developments in 2021











Mr. Jérôme HOEROLD ILNAS/OLN





ILNAS National delegate in Standardization

Award winner 2021

Dr. Emilia Tantar

Chief Data and Artificial Intelligence Officer, Black Swan LUX











Dr. Emilia TANTAR Black Swan LUX

ILNAS National delegate in Standardization

Award winner 2021

- Participation in technical standardization:
- 2018: ISO/IEC JTC 1/SC 42 Artificial Intelligence
 - Chairwoman of the National Mirror Committee since 2021
 - Liaison representative from SC 42 to Small Business Standards since May 2021
- 2020: ISO/IEC JTC 1/SC 40 IT service management and IT governance
- 2020: ISO/IEC JTC 1/WG 13 Trustworthiness
- 2020: IEC/SEG 10 Ethics in Autonomous and Artificial Intelligence Applications
- 2020: CEN-CENELEC Focus Group Artificial Intelligence
- 2021: CEN-CENELEC/JTC 21 Artificial Intelligence
 - Co-Convenor of the Ad Hoc Group 2 "Al Conformity Assessment"

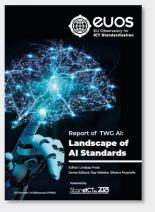


SO JTC1

IEC

CENELEC

- Other standardization activities at European level:
- Involvement in the EU Observatory For ICT Standardisation Technical Working Group on Artificial Intelligence (TWG AI):
 - Participation in the preparation of the report "Landscape of Al Standards" (May 2021)
- Representation of the interests of SMEs in technical standardization:
 - Member of the DIGITAL SME Alliance's Task Force "AI & Standards"





Dr. Emilia Tantar

Chief Data and Artificial Intelligence Officer, Black Swan LUX







Dr. Jean LANCRENON ANEC GIE



IINAS All three sectors on the march!

ICT, Construction and Space

- For the first time in the 2020-2030 Strategy, the three main sectors are concretely covered
- Construction:
- One Project Officer, Mr. Ruddy Enguehard
- Standards Analysis Construction sector Luxembourg March 2021, v1.0
- Building up our competence here since 2020
- Space:
- One Project Officer, Mr. Jordan Tromme
- Standards Analysis Aerospace sector Luxembourg July 2021, v3.0
- Attention to this re-launched in 2021
- ICT:
- Three Project Officers, Mrs. Natalia Cassagnes, Ms. Rim Doukha, Dr. Shyam Wagle
- Standards Analysis ICT Luxembourg October 2021, v9.0
- Broadcasting on the overall ICT field, covering namely ISO/IEC JTC 1 activities, rather than just Smart ICT
- Many stakeholder meetings held, many more to go!
- All policies cover up until 2025.
- Eager to engage with you all in 2022!







THANKYOU FORYOUR ATTENTION!