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Information Technology
Foundation for Education

Opportunities and challenges the increasingly digital world brings to educators

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Digital world

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- We don't know what equipment and gadgets we'll use in 10 years
- We don't know what is the oil price in 10 years
- We don't know whether the global warming will continue in 10 years
- We don't know billion of other things what will happen after the next 10 years



Digital world

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- But we do know that we'll be living in the digital world after 10 and 20 and more years
- And this means that we all need up-to-date digital competences to deal with that world
- And this means that we need a digital era education



Opportunities

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- Unlimited access to the information
 - Also a threat!



Opportunities

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- Virtual world
- Virtual realities



Opportunities

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- New wave of digital technology innovations - IoT



Opportunities

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- New wave of digital technology innovations – IoT
 - New learning methods
 - BYOD



New learning methods

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- Is this a future?
- Definitely not!
- But the changes have to come.



Opportunities

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Big Data – learning analytics



Digital world challenges # HITSA

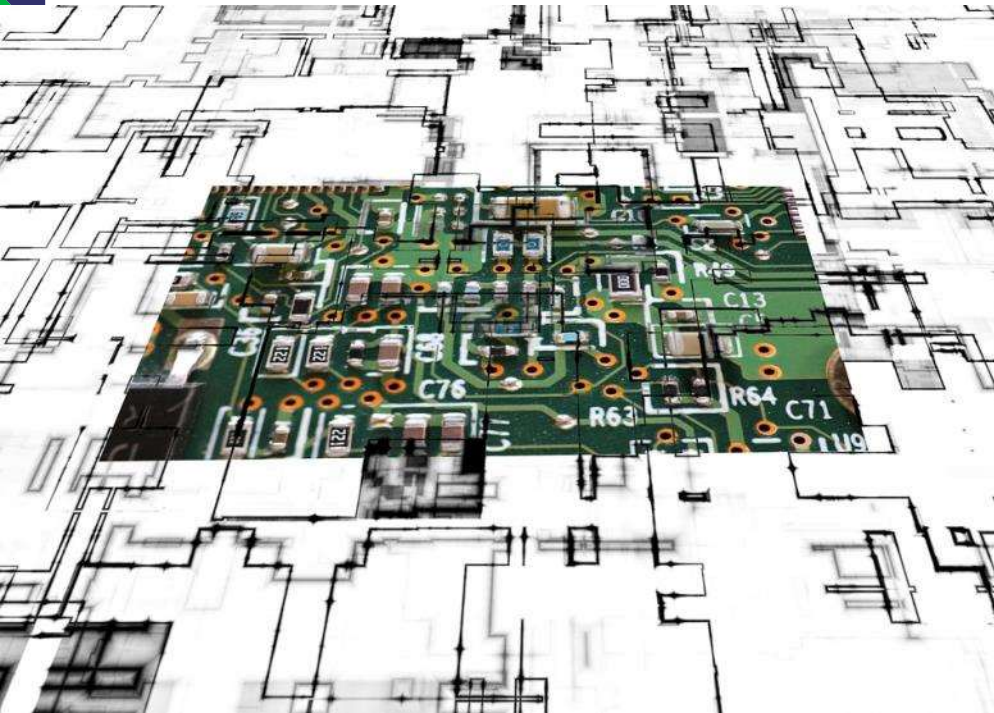
- Digital gap
 - Rising average age of teachers
 - Kids start with smart-devices already before the school



Challenges

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“De-skilling”



Challenges

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- Infrastructure
 - Access to the broadband network
 - Broadband availability in schools/universities
 - Personal devices/BYOD
 - Open repositories vs publishers closed e-learning materials – copyright issues



Challenges

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- Methodology and training
 - It is relatively easy to obtain new equipment or technology
 - The challenge is how to use it



Challenges

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Threat of “over-digitalization”



Challenges

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- Cyber hygiene
 - Internet abuse
 - Protection of personal data



Challenges

Health concerns



Information Technology Foundation for Education



- Founders:
 - Estonian Republic; Tartu University; Tallinn University of Technology; Telia Eesti; Association of Estonian Information Technology and Telecommunications Companies
- Started May 2, 2013, after a merger of:
 - Estonian Information Technology Foundation
 - Estonian Education and Research Network – EENet
 - Tiger Leap Foundation
- Number of employees: 99
- Annual budget 2016: 15,2 MEUR
- Non-profit organization
- Offices in Tallinn and Tartu
- Activities:
 - IT in education
 - Supporting ICT education
 - Developing and maintaining information systems and ICT infrastructure for education

Thank you!

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