

# Certificate

**01166**

Is hereby granted to

**Anna Kostyakova**

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In formal recognition of the completion of the online-course  
«Higher Education 4.0. Digital transformation»

April 7- May 15, 2021, 180 h.



Tatsiana Sorokovik  
Director, PhD



Liudmila Kazhukhouskaya  
Vice-rector of the NIHE

# APPENDIX TO CERTIFICATE

01166  
Module 1

International online-internship «Higher Education 4.0. Digital transformation»

## 1.SWINBURNE UNIVERSITY OF TECHNOLOGY (AUSTRALIA)

Speakers: Professor Pascale G. Quester, Vice-Chancellor and President of Swinburne University of Technology  
Professor Alan Kin Tak Lau, Pro Vice-Chancellor (International and Digital Research) at Swinburne University of Technology, International Vice President of the Institution of Mechanical Engineers

## 2.NOW AND NEXT: CONCEPTS AND PRACTICE FOR 2021 AND BEYOND (THE UNITED KINGDOM)

Speaker: Professor Gilly Salmon, the founder and CEO of Education Alchemists Ltd

## 3.PLANNING FOR ACTIVE, BLENDED AND CONNECTED LEARNING IN A POST-PANDEMIC WORLD (THE UNITED KINGDOM)

Speaker: Professor Ale Armellini, Dean of Digital and Distributed Learning at the University of Portsmouth

## 4.DIGITALIZATION AT TALLINN UNIVERSITY OF TECHNOLOGY (ESTONIA)

Speakers: Prof. Gert Jervan, Dean, School of IT at Tallinn University of Technology  
Liisi Järve, Head of Educational Technology Centre, Tallinn University of Technology

## 5.UNBOXING EDUCATION 4.0: AN INSIDE, OUTSIDE AND FLIPSIDE VIEW. DUBLIN CITY UNIVERSITY (IRELAND)

Speaker: Professor Mark Brown, Director, National Institute for Digital Learning, Dublin City University. In 2017, the Commonwealth of Learning recognized Mark as a world leader in digital education

## 6.ENTREPRENEURSHIP AND INNOVATIONS. TECHNICAL UNIVERSITY OF DENMARK EXPERIENCE (DENMARK)

Speaker: Mikkel Sørensen, Head of DTU Skylab

## 7.ELEMENTS FOR TRAINING THE NEXT GENERATION OF ENGINEERING GRADUATES AT UNIVERSITAT POLITÈCNICA DE CATALUNYA

Speaker: Prof. Juan Jesus Perez, Vice-rector for International Policy at the Universitat Politecnica de Catalunya

## 8.DIGITAL TRANSFORMATION OF MASARYK UNIVERSITY (THE CZECH REPUBLIC)

Speaker: Dr. Radim Polčák, Vice-rector of Masaryk University and the head of the Institute of Law and Technology at the Law Faculty at MU

## 9.STUDENT TEAMS COMPETE FOR BEST SOLUTION TO INDUSTRY NEEDS (ITALY)

Speakers: Prof. Sebastiano Foti, Vice-rector for education at Politecnico di Torino  
Dr. Shiva Loccisano, Head of Technology Transfer and Industrial Liaison Department

## 10.DEVELOPING AN INTERNATIONAL TEACHING INNOVATION COMMUNITY. UNIVERSITY COLLEGE LONDON (THE UNITED KINGDOM)

Speaker: Prof. Diana Laurillard, Professor of Learning with Digital Technology at UCL Knowledge Lab, University College London

## 11.TRANSFORMING LEARNING AND TEACHING PRACTICES IN TRADITIONAL HIGHER EDUCATION INSTITUTES. SWANSEA UNIVERSITY (WALES, THE UK)

Speaker: Prof. Paul Holland, Head of the Learning and Teaching Enhancement Centre, Swansea University

## 12.DIGITAL TRANSFORMATION OF HAMBURG UNIVERSITY OF TECHNOLOGY (GERMANY)

Speakers: Professor Kerstin Kuchta, Vice President for Higher Education and Academic Affairs at TUHH  
Dr. Andrea Brose, Managing coordinator of TUHH's Center for Teaching and Learning (ZLL)  
Dr. Sara Bornhöft, Deputy managing coordinator at ZLL

# Module 2

## Educational online-course «Teacher's digital competence»

### Introduction to E-learning

1. What is e-learning and its principles
2. 5 steps from offline to online
3. Choosing an online learning format
4. Basis of the course design
5. Choosing LMS. Educational platforms MOODLE/BILIMLAND/Google Classroom. YOUTUBE channel opportunities for organizing the educational process

### How to organize online lectures and seminars

1. What is an online lecture/online seminar. Online educational resources. Platforms Review (Zoom, Webinar, Microsoft Teams, Skype, Cisco Webex)
2. Zoom service: installation, parameter setting, conference scheduling. Zoom service features for conducting an online lecture/seminar
3. Interactive techniques for conducting classes online. Organization of group communication
4. Workshop on creating interactive presentations (Genially online server)
5. Basis of the presentation design
6. Not a lecture, but a podcast. How to make a "juicy" lecture and interest students
7. Lecture recording. Equipment for recording the lecture

### Webinars within the course:

#### 1. TEACHING IN THE DIGITAL AGE

Speaker: Tony Bates, Professor, Expert in Distance and Online Education (Canada)

#### 2. DIGITAL TRANSFORMATION OF THE UNIVERSITY. EXPERIENCE OF MASARYK UNIVERSITY (CZECH REPUBLIC) AND ESTONIAN UNIVERSITY OF LIFE SCIENCES

Speakers: Radim Polčák, Vice-Rector for Development, Legal and Information Technologies, Masaryk University, Brno (Czech Republic)

Endla Reintam, Vice-Rector for Academic Affairs, Professor of the Estonian University of Life Sciences, Tartu (Estonia)

#### 3. DIGITAL TRANSFORMATION OF THE UNIVERSITY. EXPERIENCE OF TALLINN UNIVERSITY OF APPLIED SCIENCES

Speaker: John Rodriguez, Educational Technologist (Estonia)

#### 4. ONLINE EDUCATION AT TALLINN UNIVERSITY, EXPERIMENTAL OPEN EDUCATIONAL PRACTICES OF THE SCHOOL OF DIGITAL TECHNOLOGIES

Speaker: Hans Põldoja, Head of Department, Associate Professor of the Department of Educational Technologies, School of Digital Technologies, Tallinn University (Estonia)

#### 5. INNOVATION IN VOCATIONAL EDUCATION IN THE DIGITAL AGE

Speaker: Helen Hoffmann, Policy Officer, Directorate General for Employment, Social Affairs and Integration, European Commission

#### 6. DIGITALIZATION AND THE USE OF VR TECHNOLOGIES AT ROSKILDE TECHNICAL SCHOOL (DENMARK)

Speaker: Pernille Bjerre, International Coordinator and Project Manager at Roskilde Technical School (Denmark)

### How to conduct a laboratory/practical class online.

#### A set of simulations and interactive models

1. Review of simulations and interactive models for science disciplines
2. Workshop on one of the resources for laboratory classes
3. Workshop on the use of the Padlet online resource
4. Workshop on creating NETFOLIO (online portfolio) using the Netboard online platform
5. Netiquette Guidelines

### Feedback and evaluation during an online class

1. Workshop on the use of online services in the organization of feedback from students
  2. Workshop on creating tools to evaluate students' performance
  3. Digital workshop on the use of the "Quizizz" web-app
  4. The Formative web-app
  5. Personal teacher's brand
- Final work. Creation of NETFOLIO (online portfolio) of a teacher (includes: teaching philosophy, description of the online services and their features; development of online classes, didactic materials designed using various online services, interactive presentations)



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