

# 11<sup>TH</sup>



# WCIT 2021



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## WORLD CONFERENCE on INFORMATION TECHNOLOGY

 08 – 10 July 2021

 Cyprus Science University

 Ozankoy-Kyrenia, Cyprus

# ABSTRACTS BOOKS

WCIT-2021 Participant Flags



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**11th WORLD CONFERENCE on INFORMATION  
TECHNOLOGY (WCIT-2021)**

**ONLINE and FACE-TO-FACE**

**Cyprus Science University  
Ozankoy-Kyrenia, Cyprus  
08 - 10 July 2021**

**ABSTRACTS BOOKS**

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## KEYNOTES



**Prof. Dr. Ana Cláudia Carvalho Campina**  
Portugal

**Keynote Title:** *“Human Rights in the environmental policy of the European Union”*

**Abstract:** The Humanity faces its highest challenge, despite dangerous disregard from people, states and international organizations, although all politics, education and official and non-official entities and structures: maintain the environmental sustainability and avoid the destruction of the planet by the human behavior changing our planet provoking absolutely frightening and dangerous (millions) deaths.

As Human Rights (fundamental and procedural rights) the environment has to be in the top of the concerns and due this, one of the most important legal measure was the Paris Agreement (UN, 2015) adopted by 196 countries, binding legally and aiming to prevent the climate change, limit global warming and reach global peaking of greenhouse gas emissions. However, the time is running, and the situation is being achieving the limit to the Planet and to the Humanity.

The European Union has some of the highest environment standards developed by policies, since economic concern, protection of natural resources, working to be legal, political and social safeguards of the health and wellbeing of people from their states members. However, more than an objective, the policies and the legal demands, particularly the European Environment Agency and European Institutions are working to improve its own environment performance in straight connection with International Organizations and states, as safeguarding citizens from environment-related pressures and risk to health. Our research aims to analyze the climate change as a global problem, considering that in similitude with all over the world, from global politics and business to the climate change and the food eaten, the European Union is particularly protecting the environment sustainable as Human Right treated as a higher priority, as the scenario is becoming worst with more than 400 deaths per year in Europe due the different environment deterioration.

**Short Bio Ana Campina:** PhD Human Rights; Political Scientist; Professor in Law Department – Universidade Portucalense (UPT), Porto; Researcher in IJP Portucalense Institute for Legal Research; Lecturer of UNESCO Chair in Youth, Education and Society; Lecturer of Gonçalves Dias Chair – Brazil.

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**Prof. Dr. Carlos Rodrigues**  
Portugal

**Keynote Title:** *“Human Rights in the environmental policy of the European Union”*

**Abstract:** The Humanity faces its highest challenge, despite dangerous disregard from people, states and international organizations, although all politics, education and official and non-official entities and structures: maintain the environmental sustainability and avoid the destruction of the planet by the human behavior changing our planet provoking absolutely frightening and dangerous (millions) deaths.

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**Short Bio Carlos Rodrigues:** PhD European Tax Law; Professor in Universidade Fernando Pessoa (UFP), Porto, Portugal; Visiting Professor in SVTFaculdade – Brazil; Researcher in IJP Portucalense Institute for Legal Research; Lecturer of Gonçalves Dias Chair – Brazil; Ex-Principal Advisor Tax and Customs Authority; Legal Consultant.

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**Prof. Dr. Ilija Nasov**  
Skopje, Northern Macedonia

**Keynote Title:** *“PVT collector for combined heat and power generation”*

**Abstract:** *Will be announce...*

# ABSTRACTS

## Online Classroom Culture and Values in Higher Education: A Case Study

**Tuba Yavas**, Cyprus Science University Faculty of Educational Sciences Department of Educational Sciences

**Bahar Aygün**, Turkish Republic of Northern Cyprus Ministry of National Education and Culture, Lapta Preschool, Kyrenia

**Hüseyin Ulak**, Turkish Republic of Northern Cyprus Security Forces Commandi Kyrenia

### Abstract

It is aimed with this study to obtain the opinions of the academicians, who conduct their classes via online teaching practices, about the creation of a positive classroom culture in the online environment, to make a general assessment based on these opinions, to determine the values that should be adopted in order to create a positive classroom culture, and to develop suggestions for practitioners to that effect. Case study, one of the qualitative research models, was used as the research design, whereas criterion sampling, one of the purposeful sampling methods, was used to determine the study group. Accordingly, the study group was composed of 12 academicians who have been working at a private university in the Turkish Republic of Northern Cyprus during the 2020-2021 academic year. The research data were collected through face-to-face and online interviews conducted using a semi-structured interview form, and the collected data were analyzed using thematic coding. The inditing of the findings is still underway.

**Keywords:** Distance Education, Online teaching, Online Classroom, Classroom Culture, Values.

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# An Assessment of the University Students' Attitudes and Behaviors in Online Classrooms during the COVID-19 Pandemic from the Perspective of Faculty Members

**Tuba Yavas**, Cyprus Science University Faculty of Educational Sciences Department of Educational Sciences

**Tahsin Oykun**, Turkish Republic of Northern Cyprus Ministry of National Education and Culture, Osman Orek Vocational High School, Nicosia

**Pinar Onbasi**, Turkish Republic of Northern Cyprus Ministry of National Education and Culture, Osman Orek Vocational High School, Nicosia

## Abstract

The 2019 coronavirus disease (COVID-19) pandemic has substantially affected the education sector and brought up distance education to the agenda, and concepts such as "online classroom" and "online teaching" have come to the fore. In this context, the aim of this study is to determine the attitudes and behaviors that university students adopt towards their teachers and other students during online education from the perspective of the faculty members. Case study, one of the qualitative research models, was used as the research design, the case being here "the attitudes and behaviors exhibited by the university students in online classrooms". The study group was composed of 12 faculty member who have been working at a private university in the Turkish Republic of Northern Cyprus during the 2020-2021 academic year and had at least 5 years working experience at a higher education institution. The research data were collected using a semi-structured interview form. The analysis of the research data is still underway.

**Keywords:** COVID-19 pandemic, distance education, online classroom, online teaching, attitudes and behaviors of students.

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# Gamification of Teaching Emerging Technologies

**Davut ulha**, Aselsan, Turkey

## **Abstract**

Games are powerful activities. Even if they need high energy usually, efficient contribution is done willingly because of fun. This power of game can be used in challenging activities. Challenges can be smoothed by adding fun. Emerging technologies are becoming more important as time passes. The reason of this is that technology is changing too fast so that it affects everything. Therefore, to survive in the fast-changing environment, emerging technologies should be followed. Teaching of emerging technologies becomes a must whereas there are challenges peculiar to emerging technologies. The main challenge is that the spectrum of emerging technologies is so wide that focusing becomes difficult. In this paper, the focusing problem of teaching emerging technologies is mitigated by including game elements in teaching. In other words, gamification is applied to teaching emerging technologies. Well-known game elements, which are points, badges, leaderboard, are applied to teaching process as well as others. Results and observations show that student engagement is increased.

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# Learning from Instructional Videos vs. Text: The Role of Learning Medium on Learning Performance

Emel Dikbas Torun, Pamukkale University, Turkey

## Abstract

The present study aimed to perform a comparative analysis of the effect of two different learning mediums, plain text and videos, when combined with different study strategies. Therefore, the learning medium and study strategy were tested separately and individually. In this regard, the following research questions were developed:

1. Do participants' learning performances vary according to their learning medium and study strategy?
1. Does learning the topic by watching a video or by reading from a plain text result in a significant difference in the participants' learning performances?

The experiments involved a 2 x 2 experimental design to test learning condition (restudy vs. summary) and learning medium (video vs. text) factors. Immediate performance, which functioned as one of the main dependent variables of the study, was measured based on the scores of a multiple choice test administered immediately after experimental sessions. A total of 92 undergraduate students participated in the study, all of whom were assigned to one of 4 experimental groups, each consisting of 23 students and arranged according to learning condition and learning medium. The results showed that learning performance changed significantly over time depending on the group. Learning through video, compared to learning through reading text, had a significantly more positive effect on immediate learning performance according to test scores.

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