# Programme

## Monday, 8th November

7:45 – 9:00   Registration

Venue: on-site: Great Union Hall / virtual (Confiva): Main Stage for Plenary Sessions

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| 9:00 – 9:20 | **Conference opening** <br><br> **Art performance** (Secondary Preschool Education, Grammar School and Performing Arts Grammar School Ljubljana) |

9:20 - 9:30   **Opening speeches**

**Simona Kustec,** Minister of the Republic of Slovenia for Education, Science and Sport

**Margaritis Schinas,** European Commission Vice-President for Promoting our European Way of Life

9:30 – 9:40   **Visionary speech on digital education and AI,**

**Margrethe Vestager**, Executive Vice-president, European Commission

## TOPIC 1:   Didactics for Digital Education

9:40 - 10:10   **Resetting education and training through recent research**

**Riina Vuorikari,** European Commission, Joint Research Centre

**10:10 - 10:40 Coffee break**

10:40 – 13:10 Parallel sessions

| Venue: <br> on-site: Great Union Hall <br> virtual (Confiva): Parallel Session - Teacher | Venue: <br> on-site: White Hall <br> virtual (Confiva): Parallel Session - Learner | Venue: <br> on-site: Glass Hall 1 <br> virtual (Confiva): Parallel Session – Learning Enviornment |
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| (TEACHER) <br><br> **What is the role of all involved in teaching and learning with digital technologies?** | (LEARNER) <br><br> **What kind of digital citizen we need/want?** | (LEARNING ENVIRONMENT) <br><br> **What will be the learning environments of the future?** |
| MODERATOR: **Vesna Ferk Savec,** University of Ljubljana, Faculty of Education | MODERATOR: **Nives Kreuh,** Utrecht University of Applied Sciences | MODERATOR: **Marko Radovan,** University of Ljubljana, Faculty of Arts, Slovenia |

Conference is moderated by **Igor E. Bergant**, journalist

**13:10 - 14:15   Lunch break**

## TOPIC 2:   School in Digital Society

Venue: on-site: Great Union Hall / virtual (Confiva): Main Stage for Plenary Sessions

**14:15 - 14:45  Positive education and positive psychology**

Martin Seligman, University of Pennsylvania, USA

**14:45 - 16:00 Challenge accepted! (The new role(s) of school in the digital era.)**

Panel discussion

Kristijan Musek Lešnik (Council of Experts of the Republic of Slovenia for General Education), Dan Podjed (ZRC SAZU), Riina Vourikari (Joint Research Centre), Margaret Sutherland (Glasgow University) and Juliane von Reppert-Bismarck (Lie Detectors), Ahmet Murat Kiliç (Council of Europe)

Moderated by Ksenija Horvat, journalist

**16:00 - 16:15  Break**

**16:15 - 17:30   Parallel sessions**

| Venue:<br>on-site: Great Union Hall<br>virtual (Confiva): Parallel Session – Real vs. Fake News | Venue:<br>on-site: Glass Hall 2<br>virtual (Confiva): Parallel Session – Emotional Wellbeing & Social Skills | Venue:<br>on-site: Glass Hall 1<br>virtual (Confiva): Parallel Session – Inclusive Classroom Climate | Venue:<br>on-site: White Hall<br>virtual (Confiva): Parallel Session – Developing Active Citizens |
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| How can school support learner to distinguish fake news from real ones? | What is the role of teachers in supporting emotional wellbeing and nurturing social skills? | How to respond to different needs of different students and develop an inclusive classroom climate? | How can school contribute to building participate society by developing active citizens? |
| MODERATOR: Juliane von Reppert-Bismarck, Lie Detectors, Belgium | MODERATORs: Ana Kozina, Educational Research Institute, Slovenia and Tina Vršnik Perše, Faculty of Education, University of Maribor | MODERATOR: Sonja Stepančič, Basic School Trnovo, Slovenia | MODERATOR: Aleš Kustec, Gimnazija Franca Miklošiča Ljutomer, Slovenia |

**19:30 - 21:30  Dinner**

Conference is moderated by Igor E. Bergant, journalist

# Tuesday, 9th November

## TOPIC 3:   Artificial Intelligence in and for Education

Venue: on-site: Great Union Hall / virtual (Confiva): Main Stage for Parallel Sessions

**9:00 – 10:00 Can (and should) everyone be taught about AI?**

> **Blaž Zupan**, University of Ljubljana, Faculty of Computer and Information Science, Slovenia

**10:00 – 10:30 How can AI support teachers in their teaching?**

> **Wayne Holmes,** University College London, UCL Knowledge Lab; UNESCO Technology and Artificial Intelligence in Education; IRCAI, International Research Centre for Artificial Intelligence

**10:30 – 11:15   Coffee break**

**11:15 – 11:20   What are the moral challenges in the use of modern learning systems and environments supported by the AI?**

> **Gabriela Ramos**, UNESCO, Assistant Director General for Social and Human Sciences

**11:20 – 13:00  Group Discussions – brainstorming on AI challenges**

**13:00 - 14:30 Lunch break**

**14:30 – 15:30 Challenges ahead: navigating Education towards future horizons**

> Panel discussion
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> **Simona Kustec,** Minister of the Republic of Slovenia for Education, Science and Sport;
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> **Mariya Gabriel**, Commissioner for Innovation, Research, Culture, Education and Youth;
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> **João Costa**, Secretary of State for Education in Portugal;
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> **Jindřich Fryč**, State Secretary at the Ministry of Education, Youth and Sports of the Czech Republic and
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> **Edouard Geffray,** Director General for Schools, Ministry of Education of France
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> **Kornelia Haugg**, Director General at the Federal Ministry of Education and Research, Germany for Vocational training and Lifelong learning
>
> **Matija Jenko,** student at University of Primorska, Faculty of Education
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> Introductory speech: **Kristijan Musek Lešnik**, University of Primorska, Positive Psychology Centre

Conference is moderated by **Igor E. Bergant**, journalist

**15:30 – 15:45 The power of hackathons to strengthen co-creation and innovation in education**

**Cristine Reisen**, Founder of Educreators Foundation, Switzerland and Steering Board Member of the DigiEduHack.

**15:45  - 16:00 Wrap-up of the conference**

Conference is moderated by **Igor E. Bergant**, journalist

## Topic 1:    Didactics for Digital Education

**Sub-session 1** (TEACHER) **What is the role of all involved in teaching and learning with digital technologies?**
Moderator: Vesna Ferk Savec, University of Ljubljana, Faculty of Education
Speaker: Mart Laanpere, Tallinn University, School of Digital Technologies, Centre for Educat. Technology

In the sub-topic »TEACHER« we will listen to four presentations that will highlight the role of the teacher and the potential of digital technology in achieving higher levels of knowledge and cognitive processes. We will also present examples in which integration of digital technologies enables individualization and personalization.
Lecturer Mart Laanpere will show in what ways teachers can self-evaluate their pedagogical digital competences with the SELFIE tool and what role it can play in leadership and teaching using digital technology. After each presentation, a group of tertiary level students will ask the lecturers a few questions and at the end they will prepare a presentation in which they will highlight their ideas and thoughts on the opportunities offered by digital technology in education.

Invited speaker: SELFIE for Teachers: a new digital competence self-reflection tool for European teachers  - Mart Laanpere, Tallinn University, School of Digital Technologies, Centre for Educational Technology

Examples of Good practice:
- o **School for the Future** - Nina Jelen,  Primary School Ivana Skvarče, Zagorje ob Savi, Slovenia
- o **Didactic use of ICT in chemistry lessons** - Ana Logar, Primary School Metlika, Slovenia
- o **The use of ICT to support the development of students' high order thinking skills -** Ari Myllyviita, University of Helsinki, Finland

**Voice of learners:** Matic Ahčin, Matija Jenko and Rok Žerdin (University of Primorska, Faculty of Education); Luka Ribič and Nika Saksida (University of Ljubljana, Faculty of Education); Tomaž Žigon (University of Ljubljana, Faculty of Chemistry and Chemical Technology)
**Looking back for the future:** Sonja Rutar, University of Primorska

**Sub-session 2** (LEARNER) **What kind of digital citizen we need/want?**
Moderator: **Nives Kreuh,** Utrecht University of Applied Sciences)
Speaker: **Axel Jean**, Ministry of National Education and Youth, France

In the sub-topic »LEARNER« we will present the resourcefulness of learners: how they »take advantage« of the opportunities that digital technology brings them, how they respond to the opportunities offered to them by the teacher and the learning environment, how they plan and self-regulate their own learning?
Lecturer Axel Jean will present how AI supports students in planning, monitoring and self-regulating their own learning.
Through presentations of examples of good practice, we will highlight the role of the teacher and the potential of digital technology in the field of personalization of learning, achieving higher levels of knowledge and cognitive processes.
After each presentation, a group of elementary school students will ask the lecturers a few questions and at the end they will prepare a presentation in which they will highlight their ideas and thoughts on how to learn best and most effectively.

Invited speaker: AI and education, where are the achievements in 2021? - Axel Jean, Ministry of National Education and Youth, France

Examples of Good practice:

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- **Student voice and choice** - Arjana Blažič, IX. Gimnazija Zagreb, Croatia
- **When distance learning teacher and classroom teacher meet each other** - Nermin Bajramović, Primary School NH Rajka Hrastnik, Slovenia
- **Personalize students' learning process with interactive ICT-tools** - Gert Lemmens, Educational trainer Future classroom lab Brussels

<u>Voice of learners</u>: Filip Strahinič, Primary School TREBNJE; Ela Ramšak, Primary School NH Rajka Hrastnik; Iva Lesjak, Primary School Frana Albrehta Kamnik; Noel Jug, Primary School Dolenjske Toplice; EMA HORVAT, Primary School Prežihovega Voranca Bistrica; Zana Kovačič, Primary School Gustava Šiliha Laporje

<u>Looking back for the future:</u> Lidija Kralj, Education Analyst & Adviser, Project leader for reforms in education, EC expert in AI & hyflex education, European Commission and European Schoolnet

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**Sub-session 3** (LEARNING ENVIRONMENT) **What will be the learning environments of the future?**
<u>Moderator</u>: Marko Radovan, University of Ljubljana, Faculty of Arts, Slovenia
<u>Speaker</u>: Dana Redford, PEEP — Policy Experimentation & Evaluation Platform, Portugal

In the sub-topic »<u>LEARNING ENVIRONMENT</u>« we will deal with modern learning environments in which the digital infrastructure enables individualization and personalization and the achievement of higher levels of knowledge.
Lecturer Dana T. Redford will focus on the role and importance of a variety of digital content, web and mobile technologies in shaping future learning environments.
Other invited lecturers will use concrete examples to show, among other things, how this will affect the development of new learning methods and approaches.
Presentations of good practices provide insight into the potential of modern learning environments, which enable different levels of integration of digital technology into teaching according to the specifics of the learning content.
After each presentation, a group of high school students will ask the lecturers a few questions and at the end they will the end they will prepare a presentation in which they will highlight their ideas and thoughts on the opportunities offered by digital technology in education.

<u>Invited speaker</u>: **Entrepreneurial Didactics in Digital Education** - Dana Redford, Policy Experimentation & Evaluation Platform (PEEP), Portugal

<u>Examples of Good practice:</u>
- **Challenges for our Future** - Marija Blažič, Primary School Dobje, Slovenia
- **Let's do our best, let's show what we can do!** - Peter Krebelj in Meta Jurca Sinkovič , Secondary school of technical professions Šiška, Slovenia
- **The ICALL system FeedBook: implementing learning analytics and adaptivity in the English classroom** - Katja Krey and Björn Rudzewitz, Tübingen University, Germany

<u>Voice of learners</u>: Lan Cvek, Gimnazija Celje center; Laura in Katja Bembič, Secondary School Izola Srednja šola Izola; Živa Kramberger, SEŠG, Maribor; Gregor Grilc, Gimnazija Franceta Prešerna Kranj, Zala Perovšek Gimnazija and Secondary School Rudolfa Maistra Kamnik; Nera Husarević, Upper Secondary School of Electrical and Computer Engineering and Technical Gimnazija Ljubljana (Vegova)

<u>Looking back for the future:</u> Amela Sambolić Beganović, National Education Institute Slovenia

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## Topic 2:  School in Digital Society

### Sub-session 1: How can school support learner to distinguish fake news from real ones?
Moderator: Juliane von Reppert-Bismarck, Lie Detectors, Belgium

In the sub-topic How can school support learner to distinguish fake news from real ones? we will discuss how can media-literate children use their critical thinking in an age of online disinformation? What role must teachers occupy, and what do they need to know about how children navigate online? Participants in this workshop will receive practical tools and hands-on examples in an interactive setting on how to fight disinformation in the classroom today and in the future.

### Sub-session 2: What is the role of teachers in supporting emotional wellbeing and nurturing social skills?
Moderators: Ana Kozina, Educational Research Institute, Slovenia and Tina Vršnik Perše, Faculty of Education, University of Maribor

In the sub-topic What is the role of teachers in supporting emotional wellbeing and nurturing social skills? we will look at the teaching as an emotional process and a challenge on its own. In addition, teachers face a multitude of challenges associated with the characteristics of their profession, challenges associated with their teaching and classroom interactions, as well as challenges related to the COVID-19 epidemic. Now more than ever support for social and emotional competencies of teachers and students is needed. How to do this will be showcased in this session.

### Sub-session 3: How to respond to different needs of different students and develop an inclusive classroom climate?
Moderator: Sonja Stepančič, Basic School Trnovo, Slovenia

In the sub-topic How to respond to different needs of different students and develop an inclusive classroom climate we will provide a practical insight into the way the class is led, where the teacher co-creates an effective learning environment and adapts the lessons to the students' educational needs. Emphasis will be placed on processes that particularly promote and develop the dynamics of relationships in which all stakeholders feel responsible for the well-being and acceptance of all members and act accordingly, thereby developing an inclusive classroom climate.

### Sub-session 4: How can school contribute to building participate society by developing active citizens?
Moderator: Aleš Kustec, Gimnazija Franca Miklošiča Ljutomer, Slovenia

In the sub-topic How can school contribute to building participate society by developing active citizens? we will discuss the importance of the active citizens for a functioning democracy. The school has a key role in educating critical individuals, who know how to inform themselves and are aware of the possibilities of political participation. Test yourself as an active citizen and join us.


## Topic 3:  Artificial Intelligence in and for Education

The discussion will be divided into two parts. In the first part, we various practical aspects of the use of artificial intelligence in education will be presented through a selection of short contributions:

- **AI role in K12 Education** - Lidija Kralj, European Schoolnet

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- **Futureproofing Curriculum with AI** - Harri Ketamo, HeadAI
- **Project AI4T (AI for teachers and teachers for AI)** - Prof. Dr. Colin de la Higuera, Université de Nantes (France)
- **Project X5gon - AI support of network of OER repositories** - Maliththa Sahan Sarojan Bulathwela, University College London
- **Natural Language Processing in and for Education** - Jorge Civera, Universitat Politècnica de València (UPV)
- **Ars Electronica,** Hideaki Ogawa, director of Future Lab Ars Electronica, director of Ars Electronica Japan

In the second part, participants will discuss current issues of AI in education in discussion groups.

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