EAPRIL 2021 ONLINE

PROGRAMME BOOK

"LEARNING IN THE AGE OF INDUSTRY 4.0"

the 15th annual EAPRIL Conference for Practitioner Research on Improving Learning
WELCOME TO EAPRIL 2021

LEARNING AT THE AGE OF INDUSTRY 4.0

The EAPRIL Executive Board is very pleased to welcome you at the 15th annual EAPRIL Conference for Practitioner Research on Improving Learning. Unfortunately, due to the ongoing COVID-19 pandemic, we decided – for the second year in a row – not to host the EAPRIL conference on site. And so, this year’s conference will be the very first EAPRIL conference that will be hosted fully online. And although it has been a challenge to translate our face-to-face conference into an online one, we are convinced that this virtual event will still offer those elements that we’ve come to love: the opportunity for the EAPRIL community members to interactively present their research and projects as well as join in social and networking activities, yet now safely from the comfort of your own home.

The EAPRIL online Conference will address the changing goals of our lifelong learners. Practitioner researchers, practitioners and policy makers are encouraged to have an in-depth dialogue regarding the opportunities provided through learning in the age of industry 4.0 and digitalisation in education.

We wish you a wonderful time at EAPRIL 2021!
## PROGRAMME OVERVIEW

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<th>WEDNESDAY – 24.11.21</th>
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<td>09:00 – 09:15</td>
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<tr>
<td>Opening Ceremony</td>
<td>Session D</td>
<td>Session G</td>
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<td>09:15 – 10:15</td>
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<td>Keynote speech</td>
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<td>Meet the EAPRIL Clouds</td>
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<td>COFFEE BREAK</td>
<td>Award Session</td>
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<td>13:00 – 14:00</td>
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<td>LUNCH BREAK</td>
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<td>Lunch with the EAPRIL Board</td>
<td>Virtual Walking Tour</td>
<td>Virtual Workout Session</td>
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<td>Session B</td>
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<td>Awarding Ceremony &amp; Closing Session</td>
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<td>Session C</td>
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<td>Educational Movie “The Digital Nation” moderated by dr. Tom De Schryver</td>
<td>Virtual Quiz Event</td>
<td>OR Virtual Cocktail Workshop</td>
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All timings are Central European Time (CET).

**Throughout**

Given the specific nature of a virtual event, many activities can be enjoyed before, during and after the conference. A few days before the start of the conference, you will be offered early access to the EAPRIL 2021 virtual event. At this point you will already be able to make use of interactive options, such as the networking tables and the chat function. You are also most welcome to visit the Exhibit Hall to engage with our sponsors, clouds, and partners. Several sessions will be recorded during EAPRIL 2021 and made available for on-demand viewing after the event has finished.
The EAPRIL 2021 conference will be hosted on PheedLoop, our virtual conference platform. PheedLoop offers a stable, scalable, and reliable conference solution that is incredibly easy to use. Most importantly, PheedLoop offers a full integration with Zoom, which means that all sessions will benefit from the advantages that Zoom has to offer (stable and reliable connection, well known in academia, screensharing, breakout rooms, …) without the need to leave the PheedLoop platform.

We are also excited about PheedLoop’s own opportunities to host topic-specific networking tables, a virtual exhibition for sponsors, clouds and partners, on-demand content to view after the event and much more. We will open the PheedLoop platform a few days before the start of the conference, to allow you to familiarise yourself with the interface, update your personal profile, bookmark the sessions you want to attend and start connecting with fellow delegates. You will receive a unique PheedLoop login via the same email address used to purchase your conference registration.

One of the advantages of hosting an online event, is the opportunity to provide recorded materials for on-demand viewing even long after the conference has finished. As such, some of the sessions at EAPRIL 2021 will be recorded and made available for on-demand viewing within PheedLoop. None of our recordings, apart from the keynotes, will be shared outside of PheedLoop, for which a unique login is required. If you don’t wish to be recorded, we advise you to keep your camera switched off when attending a session. We also have a take-down policy in place, meaning that any recordings of your image being shared against your wishes, will be taken down immediately upon your request.
CLOUDS

The EAPRIL Clouds are the backbone of the EAPRIL community. Since 2012 several clouds have been launched, bringing our total number of clouds to 14. Clouds are thematic platforms for networking and discussion among those practitioners, researchers and policy makers interested and specialised in similar fields of research.

Meet the EAPRIL Clouds Timeslot
On the first conference day (24/11) we will organise an exclusive Meet the EAPRIL Clouds Timeslot from 10:30 – 11:00 CET. During this timeslot all clouds will host parallel sessions in which the cloud coordinators will introduce their cloud and cloud activities, and which will give you, as a conference delegate, the opportunity to get acquainted with the Clouds.

Cloud Spotlight Sessions
All Clouds will also host a Cloud Spotlight Session/Symposium which will give you an insight into what type of work/research the cloud and cloud coordinators are occupied with. Please be invited to join one or more of the cloud spotlight sessions and meet fellow experts in your cloud field(s).

Cloud Exhibition Booths
In our “Exhibit Hall” each EAPRIL cloud will have their own Cloud booth, where you can find more information about the cloud and upcoming cloud activities. You can also easily find the contact details of the cloud coordinators. Please do not hesitate to reach out to them (via private chat) should you have any questions.

KEYNOTE SPEAKERS

Assoc. Prof. Anastasia Sergeeva
Vrije Universiteit Amsterdam (NETHERLANDS)

“Workplace learning in the digital age: insights from ethnographies in organizations”

Prof. Sanna Järvelä
LET Research Unit, University of Oulu (FINLAND)

“Strengthening human capabilities with digital technologies for ongoing learning needs”
SOCIAL EVENTS

The EAPRIL 2021 Conference programme is filled with fun and interactive social activities to provide formal and informal spaces for conference delegates to meet, network and relax between sessions.

As we are aware that a virtual conference cannot emulate the same type of coincidental meetings that might occur at a live conference, our social events calendar offers a broad variety of activities from which you are welcome to pick and choose:

Lunch with the EAPRIL Board
Wednesday 24 November at 13:15 CET
A lunch together with the members of the EAPRL Executive Board will give you an opportunity to get to know them and ask any questions you might have about the EAPRIL Association and Community.

Virtual Walking Tour
Thursday 25 November at 13:00 CET
This year’s EAPRIL conference is hosted fully online by the EAPRIL Office who have their headquarters in Leuven, Belgium. During this walking tour we will explore the city of Leuven and the campus of UCLL, one of the biggest institutions for higher education in Flanders, Belgium.

Educational Movie “Digital Nation”
Wednesday 24 November at 18:30 CET
Movie synopsis: Over a single generation, the Web and digital media have remade nearly every aspect of modern culture, transforming the way we work, learn, and connect in ways that we’re only beginning to understand. FRONTLINE producer Rachel Dretzin (Growing up Online) teams up with one of the leading thinkers of the digital age, Douglas Rushkoff (The Persuaders, Merchants of Cool), to continue to explore life on the virtual frontier.

This activity will be moderated by dr. Tom De Schryver who – after watching the movie - will interactively host the discussion (of approx. 30 minutes) about some interesting issues that are featured in the movie.

Virtual Quiz
Thursday 25 November at 19:00 CET
What could be more fun than getting to know each other a little better during an interactive virtual quiz? The quiz will be hosted by a professional quiz master who will test your knowledge on many different areas. Fun guaranteed! Please note that registration for this activity is mandatory and it cannot be combined with the Virtual Cocktail Workshop.

Virtual Cocktail Workshop
Thursday 25 November at 19:00 CET
Mixing your own EAPRIL cocktail while getting the possibility to network with other conference participants. That is what this virtual cocktail workshop is all about. Every participant will receive an ingredient list beforehand and during the workshop a professional cocktail maker will instruct you step by step on how to prepare your drink! Ingredient lists for non-alcoholic drinks will also be available. Cheers! Please note that registration for this activity is mandatory and it cannot be combined with the Virtual Quiz.

Virtual Workout Session
Friday 26 November at 13:00 CET
Are you in need of exercise after three online conference days? On the last conference day, a short virtual workout session will be organised. We hope you enjoy it!
Visit the virtual exhibition booths of our sponsors, clouds, and partners in the virtual Exhibit Hall. In each booth you can find more detailed information about our sponsors, clouds, and partners and you can also get into (direct) contact with them via the private chat option should you have any questions or should you wish to receive more information. The virtual Exhibit Hall will be open before, during and after the conference.

**OUR SPONSORS & PARTNERS**

**Iris Connect** makes great CPD affordable and scalable. They drive superior learning outcomes for schools & teachers. Their technology makes high impact CPD accessible and cost effective and their implementation support guarantees impact.

**MAXQDA** is a world-leading software package for qualitative and mixed methods research and the only leading QDA software to offer identical features on Windows and Mac. It is one of the most comprehensive programs in the field and is used by thousands of researchers in more than 150 countries around the world.

**Skillman.eu** was launched in 2014 and received the European Commission support in 2015 in the field of education and training. In its specific field of intervention, it is currently becoming the largest EU multilateral network combining a solid knowledge of skills needs and training practices with a well organised systemic and sector-related information system.

The «SKILLNET – Sector Skills Network of VET centres in Advanced Manufacturing» project is a KA3- Support for Policy Reform project, supported by the European Commission and covering the whole EU-27 territory plus several countries outside the EU borders. EAPRIL is an associated partner of this project.
# EAPRIL 2021 ORGANISERS

## EAPRIL EXECUTIVE BOARD and OFFICE

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<th>Role</th>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>CHAIR</td>
<td>Dr. Martijn Willemse</td>
<td>Windesheim University of Applied Sciences</td>
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<tr>
<td>CHAIR-ELECT</td>
<td>Dr. Nick Gee</td>
<td>Birmingham City University</td>
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<tr>
<td>BOARD MEMBERS</td>
<td>Dr. Tom De Schryver</td>
<td>Netherlands Defence Academy</td>
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<td>Dr. Harry Stokhof</td>
<td>HAN University of Applied Sciences</td>
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<td>Dr. Essi Ryymin</td>
<td>Häme University of Applied Sciences</td>
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<td>Dr. Zarina M. Charlesworth</td>
<td>University of Applied Sciences &amp; Arts Western Switzerland // HES-SO</td>
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<td>OFFICE MEMBERS</td>
<td>Stef Heremans</td>
<td>Association Manager</td>
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<td>Lore Verschakelen</td>
<td>Association Assistant</td>
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<td>Tonia Davison</td>
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<td>Lisa Vanhaeren</td>
<td>Association Manager EARLI</td>
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<td>Ruben Hendrickx</td>
<td>Community Manager EARLI</td>
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**WEDNESDAY, 24 NOVEMBER 2021**

### Keynote Speech by Prof. Sanna Järvelä

**Time:** 09:15-10:15  
**Location:** Auditorium

**EAPRIL KEYNOTE: STRENGTHENING HUMAN CAPABILITIES WITH DIGITAL TECHNOLOGIES FOR ONGOING LEARNING NEEDS**

**Chair**  
Harry Stokhof, HAN University of Applied Sciences, Netherlands

**Strengthening human capabilities with digital technologies for ongoing learning needs**  
Sanna Järvelä, University of Oulu, Finland

### Sessions A: 1  
**Time:** 11:30-13:00  
**Location:** Session Room 13

**PRESENT & DISCUSS: STEM EDUCATION IN THE 21ST CENTURY**

**Chair**  
Alfred Steinbach, Fachdidaktik Naturwissenschaften, Switzerland

**Embedding computational thinking in Dutch primary teacher education**  
Rosanne Hebing, Iselinge Hogeschool, Netherlands; Bram Oonk, Iselinge Hogeschool, Netherlands; Ronald Keijzer, Hogeschool iPabo, Netherlands; Anna Hotze, Hogeschool iPabo, Netherlands

**Reflection in Technical Higher Education: Student Perceptions**  
Elise Eshuis, Saxion University of Applied Sciences, Netherlands; Karine Wout-Mittendorf, Saxion University of Applied Sciences, Netherlands; Sharon Holterman, Saxion University of Applied Sciences, Netherlands; Karin van der Heijden, Saxion University of Applied Sciences, Netherlands

**Promoting 21st century skills through STEAM-education: a case study from Finnish elementary school**  
EsaVuopala, University of Oulu, Finland; Arto Hitapetelto, Rajakylä elementary school, Finland; Jouni Karsikas, Rajakylä elementary school, Finland; Juusi Nylävä, Rajakylä elementary school, Finland

### Sessions A: 2  
**Time:** 11:30-13:00  
**Location:** Session Room 1

**PRESENT & DISCUSS: INNOVATIONS IN HIGHER EDUCATION**

**Chair**  
Silvia Annen, Otto-Friedrich-Universität Bamberg, Germany

**Building professional development for higher education teachers aimed at innovation with technology**  
Anne Horvers, Radboud University Nijmegen, Netherlands; Marlies ter Beek, University of Twente, Netherlands; Donien Hopster-den Otter, University of Twente, Netherlands; Dana Uerz, HAN University of Applied Sciences (UAS), Netherlands

**“What teaching approaches do HE teachers use in their classes?”**  
Tineke Kingma, Windesheim University of Applied Sciences, Netherlands; Anneke Smits, Windesheim University of Applied Sciences, Netherlands; Debbie Jaarsma, University of Groningen, Netherlands; Joke Voogt, Windesheim University of Applied Sciences, Netherlands

**Insights in student drop out from a social field research and 4D-mapping perspective**  
Els Laenens, University of Antwerp, Belgium

### Sessions A: 3  
**Time:** 11:30-13:00  
**Location:** Session Room 12

**PRESENT & DISCUSS: BELIEFS AND CONCEPTIONS OF TEACHING**

**Chair**  
Sibel Inci, Kocaeli university, Turkey

**Factors Affecting the Teaching of Computational Thinking in Fundamental Schools: A Path Analysis**  
Jeff Henrico, SCRIPT (Service de coordination de la recherche et de l’innovation pédagogiques et technologiques), Luxembourg; Robert Reuter, University of Luxembourg, Luxembourg; Armin Weinberger, Universität des Saarlandes, Germany

**The Practice of On-Site Educators of Estonian Institutions of Science and Culture**  
Helene Uppin, Tallinn University, Estonia

**Profiles of preservice teachers’ pedagogical reasoning in internships: an international study**  
Ottavia Trevisan, University of Padova, Italy; Anneke Smits, Windesheim University, Netherlands; Lisa Bugno, University of Padova, Italy; Marina De Rossi, University of Padua, Italy
WEDNESDAY, 24 NOVEMBER 2021

Sessions A: 4  |  Time: 11:30-13:00  |  Location: Session Room 9

PRESENT & DISCUSS: LEARNING APPROACHES & SELF-REGULATION AND SELF-REGULATED LEARNING

**Chair**
Kerstin Helker, Eindhoven University of Technology, Netherlands

**More SayinG in your learning?!**
Sylvia Mommaerts, UCLL, Belgium; An Dumoulin, UCLL, Belgium; Hannelore Verstappen, UCLL, Belgium

**Stories from the Digital Classroom: International Students Experiencing Epistemic Moments**
Gemma Coughlan, Rijksuniversiteit Groningen, Netherlands; Sjoerd-Jeroen Moenandar, Rijksuniversiteit Groningen, Netherlands

**The Power of Self-organized Learning in Schools**
Ingrid Geier, Salzburg University of Teacher Education, Austria

Sessions A: 5  |  Time: 11:30-13:00  |  Location: Session Room 11

PRESENT & DISCUSS: CONTINUING PROFESSIONAL DEVELOPMENT IN TEACHERS

**Chair**
Mary Ann Isaacs, Vrije Universiteit Brussel (VUB), Belgium

**The emerging role of Professional Learning Communities as a holistic support system for educators**
Jonathan Mendels, The Mofet Institute, Israel; Tali Berglas-Shapiro, The Mofet Institute, Israel

**Relocating narrative contradictions in the context of an intervention to promote teacher resilience.**
Alba Vallés, University of Lleida, Spain; Marc Clara, University of Lleida, Spain

**Supporting pre-service teachers in their development of their pedagogical ICT-competence.**
Gerton Cazemier, Inholland University of Applied Science, Netherlands

Sessions A: 6  |  Time: 11:30-13:00  |  Location: Session Room 8

EAPRIL CLOUD SPOTLIGHT SYMPOSIUM: CLOUD 06 - ONLINE TEACHING & LEARNING IN THE TIME OF COVID-19

**Chair**
Ning Ding, Hanze University of Applied Sciences, Netherlands

**Discussant**
Marca V.C. Wolfensberger, Hanzehogeschool Groningen, Netherlands

**Resilience and Online Learning Engagement under the impact of the Corona-crisis**
Ning Ding, Hanze University of Applied Sciences, Netherlands; Petra van Heugten, Hanzehogeschool Groningen, University of Applied Science, Netherlands

**Virtual Class Attendance and Learning Achievement during COVID-19 Pandemic**
Ning Ding, Hanze University of Applied Sciences, Netherlands; Xiaoyan Xu, Hanze University Groningen, University of Applied Sciences, Netherlands

**Building a Common Vision on Blended Learning: Teacher Experiences and Wellbeing During the pandemic**
Marca V.C. Wolfensberger, Hanzehogeschool Groningen, Netherlands; Annegien Langeloo, Hanze University Groningen, University of Applied Sciences, Netherlands

Sessions A: 7  |  Time: 11:30-13:00  |  Location: Session Room 5

EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 03 - IMPROVING LEARNING EXPERIENCES

**COLOM 03 - Improving learning experiences**
Ilona Laakkonen, JAMK University of Applied Sciences, Finland; Minna Silvennoinen, Jyväskylä University of Applied Sciences, Finland; Satu Aksiovaara, JAMK, University of Applied Sciences, Finland; Elna Vaara, Jyväskylä University of Applied Sciences, Finland; Anne Rantakaulio, JAMK University of Applied Sciences, Finland; Tiina Parviainen, University of Jyväskylä, Finland; Mikko Vesisenaho, University of Jyväskylä, Finland; Anita Malinen, University of Jyväskylä, Finland; Susi Kaajalainen, University of Jyväskylä, Finland; Sirpa Latinen-Vähänäinen, JAMK University of Applied Sciences, Finland; Minna Koskinen, JAMK University of Applied Sciences, Finland; Santtu Hartikainen, JAMK University of Applied Sciences, Finland
### Sessions A: 8
**Time: 11:30-13:00**  
**Location: Session Room 6**

#### SYMPOSIUM: VIDEO-BASED COLLABORATIVE LEARNING: EVIDENCE FOR A PEDAGOGICAL MODEL

Marjie Bent, Aeres University of Applied Sciences Wageningen, Netherlands; Frank De Jong, Aeres University of Applied Sciences & Open University Heerlen, Netherlands  
Video-Supported Collaborative Learning within the ViSuAL Project: a qualitative analysis using nVivo  
Ricardo Jorge Monginho, Universidade de Évora, Portugal; Alessia Evi-Colombo, Swiss Federal Institute for Vocational Education and Training (SFIVET), Switzerland; Alberto Cattaneo, Swiss Federal University for Vocational Education and Training, Switzerland; Jose Ramos, University of Evora, Portugal  
Enhancing video-supported collaborative learning - learners’ perspective.  
Sirpa Laitinen-Väänänen, JAMK University of Applied Sciences, Finland; Eila Burns, JAMK University of Applied Sciences, Jyväskylä, Finland |
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<td>Organiser</td>
<td>Marije Bent, Aeres University of Applied Sciences Wageningen, Netherlands</td>
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<td>Discussant</td>
<td>Ricardo Jorge Monginho, Universidade de Évora, Portugal</td>
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### Sessions A: 9
**Time: 11:30-13:00**  
**Location: Session Room 4**

#### ROUNDTABLE: VOCATIONAL EDUCATION

| Chair | International cooperative development of VOOCs for VET teacher professionalisation: Lessons learned  
Pieter Sieunake, Aeres University of Applied Sciences Wageningen, Netherlands; Natasa Papić-Blagojević, Novi Sad School of Business, Serbia; Andrey Belotserkovsky, Tver State University, Russian Federation  
Understanding vocational healthcare students’ skills of research and inquiry  
Erica Wijnands-Pot, mboRijnland, Netherlands |
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<td>Rasa Pocevičienė, Šiauliai State College, Lithuania</td>
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### Sessions A: 10
**Time: 11:30-13:00**  
**Location: Session Room 2**

#### EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 09-MULTISENSORY MUSICAL DESIGN– REDISCOVERING MUSICAL LEARNING PATHWAYS IN THE AGE OF INDUSTRY

| CLOUD 09-Multisensory Musical Design– Rediscovering musical learning pathways in the age of industry  
Kaarina Marjanen, University of Tampere, Finland; Hubert Gruber, Pädagogische Hochschule NÖ / University College of Teacher Education Lower Austria, Austria |
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### Sessions A: 11
**Time: 11:30-13:00**  
**Location: Session Room 10**

#### PRESENT & DISCUSS: DIVERSITY & PRACTICE-BASED RESEARCH METHODOLOGY

| Chair | Responding to student diversity: how SE teachers learn to implement differentiated instruction  
Wouter Smets, Karel de Grote University college, Belgium  
The benefits of thesis in higher education studies - Alumni perspective  
Lisa Vanhanen-Nuutinen, HAAGA-HELIA University of Applied Sciences, Finland; Atti Lagstedt, HAAGA-HELIA University of Applied Sciences, Finland; Hannu Kotila, HAAGA-HELIA School of Vocational Teacher Education, Finland; Kimmo Maki, HAAGA-HELIA University of Applied Sciences, Finland  
Contributing to Inclusive Higher Education Programs: Educators’ views.  
Martijn Willemsen, Windesheim University of applied sciences, Netherlands; Sui Lin Goei, Windesheim University of Applied Sciences, Netherlands; Fer Boei, Windesheim University of Applied Sciences, Netherlands; Jarise Kaskens, Hogeschool Windesheim en Radboud Universiteit Nijmegen, Netherlands; Monique Ridder, Windesheim University of Applied Sciences, Netherlands; this hemmer, Windesheim University of Applied Sciences, Netherlands |
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<td>Anje Ros, Fontys University of Applied Sciences, Netherlands</td>
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## POSTER PRESENTATION: PRIMARY EDUCATION

**Chair**
Rasa Pocevičienė, Šiauliai State College, Lithuania

**Critical Thinking among primary teachers in ESD context**
Sonia Felix, NTNU (Norwegian University of Science and Technology), Norway

**Self-regulation for children and teachers: A practice-based research**
Katrien Goossens, UCLL, Belgium; Caroline Vancraeynest, UCL Louvain-Limburg, Belgium; Maai Huyse, UC Louven Limburg, Belgium; Marike Vandersmissen, UC Louven-Limburg, Belgium

**Improving emotion regulation in young children: an arts-based mindful intervention in schools.**
Katrien Goossens, UCLL, Belgium; Hanne Vanmierlo, UCLL, Belgium

**Ubuntu, Manjaro, & Raspbian OS in K-12. Designing open-source interfaces for digital citizenship**
Mathieu Payn, HEP Fribourg, Switzerland; Lionel Alvarez, HEP-Fribourg | Université de Fribourg, Switzerland; Cuko Kostanac, Haute école pédagogique de Fribourg, Switzerland; Ania Tadlaoui-Brahmi, Haute Ecole pédagogique Fribourg, Switzerland

### Sessions B: 2

**Time: 14:00-15:30**
**Location: Session Room 5**

## POSTER PRESENTATION: TEACHER EDUCATION & META-COGNITION AND METACOGNITIVE LEARNING

**Chair**
Angela Clerc, Siemens Stiftung, Germany

**Change of Teacher Motivations during Teacher Education**
Sabine Bruch, University of Education Upper Austria, Austria; Karin Busch, University of Education Upper Austria, Austria; Eeva Kasa Hyry-Belhammer, University of Education Upper Austria, Austria

**The effect of reading instruction on absolute metacomprehension accuracy – A mixed method study**
Jennifer Steckel, Bergische University of Wuppertal, Germany

**Online Self-Assessments in Teacher Education in Germany**
Jorg Holle, Westfälische Wilhelms-Universität Münster, Germany

**Supporting student-teachers training process**
Manal Raoui, Regional Center for Education and Training Professions - El Jadida, Morocco; Fatima-Zaïra Guerss, Ibn Tofail University, Morocco

### Sessions B: 3

**Time: 14:00-15:30**
**Location: Session Room 6**

## POSTER PRESENTATION: WORKPLACE LEARNING & SPECIAL EDUCATIONAL NEEDS IN PRIMARY EDUCATION

**Chair**
Ilona Laakkonen, JAMK University of Applied Sciences, Finland

**What immediate value is created in a starting learning community within a hospital?**
Wendy Heemskerk, Haga Teaching Hospital, Netherlands; Christian Wallner, University of Applied Sciences Leiden, Netherlands

**Youth Service Point (YSP)**
Mariette Haasen, Fontys OSO, Netherlands; Victorien Saamena, Boei Limburg, Netherlands; Rian Alders, Boei Limburg, Netherlands

**WisH**
Mariette Haasen, Fontys OSO, Netherlands; Miriam de Werd, GGD Hof van Brabant, Netherlands

**Collaboration on attachment issues**
Mariette Haasen, Fontys OSO, Netherlands; pieter jansen, combinatie jeugdzorg, Netherlands

**Efficient dual learning in higher education**
Muriel De Wolf, University College Ghent, Belgium; An Willems, University College Ghent, Belgium; Sofie Timmers, University College Ghent, Belgium; Robin Stevens, University College Ghent, Belgium; Sofie Bruneel, University College Ghent, Belgium
### Sessions B: 4  
**Time:** 14:00-15:30  
**Location:** Session Room 12

**POSTER PRESENTATION: DIVERSITY, CREATIVITY & INNOVATION IN EDUCATION**

**Chair**  
Niek van den Berg, Aeres University of Applied Sciences, Wageningen, Netherlands

**Papers**

- **Arts-based research and professional development in teacher Education**  
  Hanneke Maassen, Aeres Applied university Wageningen, Netherlands

- **Interactions that support congruence of values in schools**  
  Ria de Gooijer, Hogeschool Inholland, Netherlands

- **‘Playful’ Quizzes in Flipped Classroom**  
  Piret Hussar, University of Tartu, Estonia

### Sessions C: 1  
**Time:** 15:45-17:15  
**Location:** Session Room 6

**WORKSHOP: "THE "LC STAR"": CREATING SHARED VIEWS ON LEARNING CULTURE, GOALS & RESULTS IN A LEARNING COMMUNITY**

"The "LC Star": Creating shared views on learning culture, goals & results in a Learning Community  
Christian Wallner, University of Applied Sciences Leiden, Netherlands; Wendy Hoemskerk, Haga Teaching Hospital, Netherlands

### Sessions C: 2  
**Time:** 15:45-17:15  
**Location:** Session Room 1

**WORKSHOP: NO MORE TIME FOR FLIMSY TEA, LET'S GO FOR INFUSION!**

No more time for flimsy tea, let's go for infusion!  
Elke Emmers, UCLL, Belgium; Reinhilde Pulinx, University College Leuven Limburg, Belgium

### Sessions C: 3  
**Time:** 15:45-17:15  
**Location:** Session Room 13

**WORKSHOP: THE ROLE OF DESIGN-BASED RESEARCH IN TRANSITION FROM STANDALONE TO INTERTWINED LEARNING ENVIRONMENTS**

The role of design-based research in transition from standalone to intertwined learning environments  
Kathinka van Doesum, mboRijnland, Netherlands; Maria Custers, Fontys, Netherlands; Gemma Groenewoudt, ROC Aventus, Netherlands; Tjerk Huizinga, Saxion University of Applied Sciences, Netherlands; Amber Kornet, Saxion University of Applied Sciences, Netherlands; Jantje Timmerman, mboRijnland, Netherlands; Ilja Zitter, Hogeschool Utrecht (University of Applied Sciences Utrecht), Netherlands

### Sessions C: 4  
**Time:** 15:45-17:15  
**Location:** Session Room 9

**WORKSHOP: MAKING PRACTICE-BASED RESEARCH MORE MEANINGFUL 2.0**

Making practice-based research more meaningful 2.0  
Aimée Hoeve, HAN University of Applied Sciences, Netherlands; Karine Woudt-Mittendorf, Saxion University of Applied Sciences, Netherlands; Peter den Boer, Onderzoekend Leren, Netherlands; Aniek Draaisma, TU Delft, Netherlands

### Sessions C: 5  
**Time:** 15:45-17:15  
**Location:** Session Room 3

**WORKSHOP: BOOSTING CREATIVITY, FOSTERING HOLISTIC LEARNING AND, REINVENTING LEARNING ENVIRONMENTS**

Boosting creativity, fostering holistic learning and, reinventing learning environments  
Zarina M. Charlesworth, University of Applied Sciences & Arts Western Switzerland // HES-SO, Switzerland; Sabine Chatelain, University of Teacher Education, State of Vaud (Lausanne), Switzerland; Hubert Gruber, Pädagogische Hochschule NiederOsterreich, Austria; Ilona Laakkonen, JAMK University of Applied Sciences, Finland; Els Laenens, University of Antwerp, Belgium; Kaarina Marjanen, University of Tampere, Finland
### Sessions C: 6
**Time:** 15:45-17:15  
**Location:** Session Room 7

**WORKSHOP: HUMBOLDT RELOADED: REDISCOVERING MUSICAL LEARNING PATHWAYS IN THE AGE OF INDUSTRY**

Humboldt reloaded: Rediscovering musical learning pathways in the age of industry  
Hubert Gruber, Pädagogische Hochschule NÖ / University College of Teacher Education Lower Austria, Austria; Kaarina Marjanen, University of Tampere, Finland

### Sessions C: 7
**Time:** 15:45-17:15  
**Location:** Session Room 12

**WORKSHOP: INNOVATIVE PRACTICE-BASED RESEARCH APPROACHES WITH ADDED VALUE**

Innovative practice-based research approaches with added value  
Niek van den Berg, Aeres University of Applied Sciences Wageningen, Netherlands; Pim van Heijst, HU University of Applied Science Utrecht, Netherlands; Hanneke Maassen, Aeres Applied university Wageningen, Netherlands; Lisette Munnekink, Utrecht University of Applied Sciences, Netherlands; Anja Veerman, University of the Arts, Utrecht, Netherlands

### Sessions C: 8
**Time:** 15:45-17:15  
**Location:** Session Room 5

**EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 12-THE SIGNIFICANCE OF POSITIVE SCHOOL LEADERSHIP FOR SCHOOL IMPROVEMENT & PROFESSIONAL LEARNING**

CLOUD 12-The significance of positive school leadership for school improvement & professional learning  
Loes van Wessum, Windesheim Flevoland, Netherlands; Karen Seashore, University of Minnesota, United States; Anje Ros, Fortys University of Applied Sciences, Netherlands

### Sessions C: 9
**Time:** 15:45-17:15  
**Location:** Session Room 11

**PRESENT & DISCUSS: STRATEGIES TO IMPROVE TEACHING AND LEARNING ENVIRONMENTS**

Chair  
Amber Hoefkens, AP University College Antwerp, Belgium

Do we need a doctor in the library? The value of a PhD to library service provision  
Eva Hornung, University of Sheffield/Trinity College Dublin, Ireland

Wicked problems, black elephant and higher education teacher!  
Lisa Vanhanen-Nuutinen, HAAGA-HELIA University of Applied Sciences, Finland; Kimmo Maki, HAAGA-HELIA University of Applied Sciences, Finland

Working on Global Challenges: A Pre-University Student Experience in Online Project-Based Learning  
Plewes Plews, Northeastern University, United States; Mary English, Northeastern University, United States

Nudging Autonomous Learning Behavior: Four Field Experiments in Vocational Education and Training  
Robert Weijers, Erasmus University Rotterdam, Netherlands; Bjorn de Koning, Erasmus University Rotterdam, Netherlands; Yvonne Vermetten, NHTV Breda University of Applied Sciences, Netherlands; Fred Paas, Erasmus University Rotterdam/University of Wollongong, Netherlands

### Sessions C: 10
**Time:** 15:45-17:15  
**Location:** Session Room 10

**PRESENT & DISCUSS: EDUCATIONAL TECHNOLOGY A**

Chair  
Piret Hussar, University of Tartu, Estonia

Listening to an audiobook while reading: An eye-tracking study with German primary school students  
Sabrina Gerth, University College of Teacher Education Tyrol, Austria; Julia Festman, University College of Teacher Education Tyrol, Austria

The university-industry collaboration in the video-supported collaborative learning  
Satu Parjanen, Lappeenranta-Lahden University of Technology LUT, Finland; Sirpa Latinen-Väänänen, JAMK University of Applied Sciences, Finland; Mirva Hyypää, Lappeenranta - Lahti University of Technology LUT, Finland

Knowledge Use in Knowledge Building Discourse  
Frank De Jong, Aeres University of Applied Sciences & Open University Heerlen, Netherlands; Erick Velazquez-Godinez, Mytomorrows, Netherlands; Yoshihisa Matsuzawa, Aoyama Gakuin University, Japan
### EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 05 - EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT CLOUD 5 BUT WERE AFRAID TO ASK.

**Cloud 05 - Everything you always wanted to know about Cloud 5 but were afraid to ask.**

Amoud T. Evers, Open Universiteit, Netherlands; Jorg Holle, Westfälische Wilhelms-Universität Münster, Germany

### EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 10 - GOING FOR NURTURING META-COGNITIVE ABILITIES? USE FORMATIVE ASSESSMENT....OR NOT?

**Cloud 10 - Going for nurturing meta-cognitive abilities? Use formative assessment.....or not?**

Jeroen van der Linden, HAN University of Applied Sciences, Netherlands; Fer Boei, Windesheim University of Applied Sciences, Netherlands
### Sessions D: 1
**Time:** 09:00-10:30  
**Location:** Session Room 1

**PRESENT & DISCUSS: EARLY CHILDHOOD & PRIMARY EDUCATION**

**Chair:** Jenni Koponen, Metropolia University of Applied Sciences, Finland

**Professional development in ‘Mathematics in play’**
Ronald Keijzer, Hogeschool Ipabo, Netherlands; Marjolijn Peltenburg, Marnix Academie, Netherlands; Eefje van der Zalm, retired, Netherlands; Annerieke Boland, Ipabo University of Applied Sciences, Netherlands

**More and better outdoor education in early childhood education**
Bendik Sierra, Western Norway University of Applied Sciences (HVL), Norway; Marianne Størkson, Western Norway University of Applied Sciences (HVL), Norway; Trond Egil Amesen, Western Norway University of Applied Sciences (HVL), Norway

**Can you eat numbers? Increasing motivation for mathematics through the use of philosophical dialogue**
Veerle Verschoren, Odisee University College, Belgium; Jan Sermeus, KULeuven, Belgium; Jelle De Schrijver, Antwerp University, Belgium

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### Sessions D: 2
**Time:** 09:00-10:30  
**Location:** Session Room 13

**PRESENT & DISCUSS: PRIMARY EDUCATION**

**Chair:** Essi Vuopala, University of Oulu, Finland

**Interprofessional collaboration between teachers and childcare workers from an HRM perspective**
Rachel Verheijen-Tiemstra, Fontys University of Applied Sciences, Netherlands; Anje Ros, Fontys University of Applied Sciences, Netherlands

**School leadership potential of educational practitioners in Flanders**
Hannorele De Greve, Karel De Grote University College, Belgium; Loth Van Den Ouwendal, Karel De Grote University College, Belgium

**Professional gestures for teaching music at primary school: supporting generalists and specialists**
Marcelle Moor, University of Teacher Education (HEP-BEJUNE), Bienne, Switzerland; Sabine Chatelain, University of Teacher Education, State of Vaud (Lausanne), Switzerland

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### Sessions D: 3
**Time:** 09:00-10:30  
**Location:** Session Room 4

**PRESENT & DISCUSS: SOCIAL INTERACTION & BLENDED LEARNING IN HIGHER EDUCATION**

**Chair:** Henderijn Heldens, Fontys University of Applied Science, Netherlands

**Scripting collaborative learning in technology-supported thesis groups**
Bob Gotte, Inholland University of Applied Science, Netherlands

**Developing a sense of community in online learning communities in the context of flexible education**
Karlene Woudt-Mitterdorff, Saxion University of Applied Sciences, Netherlands; Rosaline van der Meer, Saxion University of Applied Sciences, Netherlands; Jacqueline van Oijen, Leiden University of Applied Sciences, Netherlands; Renée Oosterwijk, Hanze University Groningen; University of Applied Sciences, Netherlands; Annes Venema, The Hague University of Applied Sciences, Netherlands; Klara van Essen, Dordrecht University of Applied Sciences, Netherlands; Ellen Sjoer, The Hague University of Applied Sciences, Netherlands; Job Zuidema, Hanze University Groningen, University of Applied Sciences, Netherlands

**Community of practice for Digitalization and Innovation in homeworking: motivation or constraint?**
Natalie Santasin, HES-SO Vaalas / University of Applied Sciences & Arts Western Switzerland, Switzerland; Beverley Todeschini, HES-SO Vaalas-Walls / University of Applied Sciences & Arts of Western Switzerland, Switzerland
### Sessions D: 4  
**Time:** 09:00-10:30  
**Location:** Session Room 9

**PRESENT & DISCUSS: PRACTICE-BASED RESEARCH METHODOLOGY**

| Chair | Designing, implementing and investigating workplace learning in teacher education  
Sabrina Govaerts, AP University of Applied Sciences and Arts Antwerp, Belgium; Elena Van den Broek, AP University of Applied Sciences and Arts Antwerp, Belgium; Annelies Aerts, AP university of Applied Sciences and Arts Antwerp, Belgium; Liesa Lochtten, University of Antwerp, Belgium; Inge Havermans, AP University of Applied Sciences and Arts Antwerp, Belgium |
|---|---|
| | Educating students at the boundary: Tapping into unused learning potential  
Caroline Duijper, Marnix Academie (PABO), Netherlands; Marijlien Petenburg, Marnix Academie, Netherlands |
| | The impact of practice-based research on educational practice - factors of influence explored  
Garmit Meulendijks, Hogeschool Inholland / University of Applied Sciences, Netherlands; Nynke Bos, Inholland University of Applied Sciences, Netherlands; Jeroen Bottema, Inholland University of Applied Sciences, Netherlands |

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### Sessions D: 5  
**Time:** 09:00-10:30  
**Location:** Session Room 12

**PRESENT & DISCUSS: EDUCATIONAL TECHNOLOGY B**

| Chair | Recognising Immigrants’ competence in the era of virtual reality  
Merja Drake, HAAGA-HELIA University of Applied Sciences, Finland |
|---|---|
| | Teachers’ digital competencies and training workshops as predictors of the ICT use in teaching  
Barbara Roncic Zupkovic, University of Rijeka, Faculty of Humanities and Social Sciences, Croatia; Martina Balon, University of Rijeka, Faculty of Humanities and Social Sciences, Croatia; Svjetlana Kolić-Vehovec, University of Rijeka, Faculty of Humanities and Social Sciences, Croatia; Rosanda Pahljina-Reinić, University of Rijeka, Faculty of Humanities and Social Sciences, Croatia |
| | Hands-on artificial intelligence in K-12. How can GOFAI and machine learning be taught?  
Cuko Kostanca, Haute école pédagogique de Fribourg, Switzerland; Lionel Alvarez, HEP-Fribourg | Université de Fribourg, Switzerland; Ania Tadlaoui, Haute école pédagogique de Fribourg, Switzerland |

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### Sessions D: 6  
**Time:** 09:00-10:30  
**Location:** Session Room 6

**PRESENT & DISCUSS: IMPROVING LEARNING AND WELL-BEING IN SECONDARY EDUCATION & LEADERSHIP IN EDUCATION**

| Chair | Photovoice as a Collaborative Research Methodology of Teaching Practices in Junior High Schools  
Leen Alaerts, UC Leuven-Limburg, Belgium; Anne Decolle, UC Leuven-Limburg, Netherlands; Ruth Wouters, UCLL, Belgium |
|---|---|
| | Can students benefit from projected uncertainty in school-based challenges? An empirical exploration  
Kerstin Helker, Eindhoven University of Technology, Netherlands; Sarah Poersch, Universität Koblenz-Landau, Campus Landau, Germany; Matthias Ruerup, University of Wuppertal, School of Education, Germany |
| | Impact of Education 4.0 environments on students’ learning approach and teacher’s awareness  
Els Laenens, University of Antwerp, Belgium; Ellen Vandenbieren, University of Antwerp, Belgium; Kristen Verbist, Stedelijk onderwijs Antwerpen, Belgium |
| | Finnish-Dominican Education Programme for Managers Developing Competences for Industry 4.0  
Eesi Ryymän, Hame University of Applied Sciences, Finland; Pirjo Tuominen, Hämeen ammattikorkeakoulu/Häme University of Applied Sciences, Finland; Taru Liiva, Hame University of Applied Sciences (HAMK), Finland; Nana Niskanen, Hame University of Applied Sciences (HAMK), Finland; Maura Corporán, INFOTEP, Dominican Republic; José Rafael Croussett Paredes, INFOTEP, Dominican Republic |
### Sessions D: 7  
**Time:** 09:00-10:30  
**Location:** Session Room 11

**PRESENT & DISCUSS: INSTRUCTIONAL DESIGN AND INSTRUCTIONAL STRATEGIES**

**Chair**  
Michiel Veldhuis, Hogeschool IPABO Amsterdam/Alkmaar, Netherlands

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<tr>
<td>Effects of using teaching scenarios on students’ motivation, emotion and performance</td>
<td>Rosanda Pahljina-Reinić, University of Rijeka, Faculty of Humanities and Social Sciences, Croatia; Barbara Roncavic Zubkovic, University of Rijeka, Faculty of Humanities and Social Sciences, Croatia; Svjetlana Kolić-Vehovec, University of Rijeka, Faculty of Humanities and Social Sciences, Croatia</td>
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<tr>
<td>Improving teachers’ competence of lesson planning in the light of learning processes and interaction</td>
<td>Matthias Söll, University of Kassel, Germany</td>
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<tr>
<td>Digital Training Intervention on How to Tackle Students’ Misconceptions in Physics</td>
<td>Markus H. Hefter, Bleiefeld University, Germany; Bärbel Fromme, Bleiefeld University, Germany; Kirsten Berthold, University of Bielefeld, Germany</td>
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### Sessions D: 8  
**Time:** 09:00-10:30  
**Location:** Session Room 2

**PRESENT & DISCUSS: EDUCATIONAL POLICY**

**Chair**  
Tineke Kingma, Windesheim University of Applied Sciences, Netherlands

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<td>Flexibility in higher education curricula</td>
<td>Herma Jonker, Windesheim University of Applied Sciences, Netherlands; Anneke Smits, Windesheim University, Netherlands</td>
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<td>COVID-19 and School Closures in Japan: Survey Findings on the Effects on Junior High School Students</td>
<td>Hiroaki Ayabe, National Institute for Physiological Sciences, Japan; Yukio Fujita, Gifu Shotoku Gakuen University Junior High School, Japan; Emmanuel Manalo, Kyoto University, Japan</td>
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<td>SELFIE-tool study for Vocational Education Teachers’ and Mentors’ digital pedagogical training</td>
<td>Kati Maanpää, Oulu University of Applied Sciences, Finland; Sanna Brauer, Oulu University of Applied Sciences, Finland; Elina Juntunen, Oulu University of Applied Sciences, Finland</td>
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### Sessions D: 9  
**Time:** 09:00-10:30  
**Location:** Session Room 7

**PRESENT & DISCUSS: DISTANCE EDUCATION IN HIGHER EDUCATION**

**Chairs**  
Karin Diemel, Fontys University of Applied Sciences, Netherlands; Rasa Pocevičienė, Šiauliai State College, Lithuania

<table>
<thead>
<tr>
<th>Title</th>
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<tbody>
<tr>
<td>Self-directed Learning Competencies - a Key to Success in Online Learning</td>
<td>Rasa Pocevičienė, Šiauliai State College, Lithuania</td>
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<td>Analysis of learning motivations and consideration of appropriate interventions for online students</td>
<td>Yasunshi Kato, Tokyo Online University, Japan</td>
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<td>Implementing Hybrid Virtual Classroom: Effects on students’ ‘Community of Inquiry’ feeling</td>
<td>Tjark Huizinga, Saxion University of Applied Sciences, Netherlands; Anne Lohuis, Saxion Hogeschool Enschede, Netherlands; Rosalien van der Meer, Saxion University of Applied Sciences, Netherlands; Judith Zwerver, Saxion University of Applied Sciences, Netherlands</td>
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### Sessions D: 10  
**Time:** 09:00-10:30  
**Location:** Session Room 8

**WORKSHOP: USING VIRTUAL REALITY (VR) IN PRIMARY SCHOOL TEACHER EDUCATION**

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<td>Using virtual reality (VR) in primary school teacher education</td>
<td>Ellen Rohaan, Fontys University of Applied Sciences, Netherlands</td>
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### Sessions D: 11  
**Time:** 09:00-10:30  
**Location:** Session Room 10

**WORKSHOP: MAKING SENSE OF UNCERTAINTY IN EDUCATIONAL INNOVATION**

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<tr>
<td>Making Sense of Uncertainty in Educational Innovation</td>
<td>Stijn Bollinger, Hogeschool Utrecht (University of Applied Sciences Utrecht), Netherlands; Remco Coppoolse, Utrecht University of applied science, Netherlands; Ritie van Rooijen, Hogeschool Utrecht, Netherlands; Sander Toby, Hogeschool Utrecht, Netherlands</td>
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</table>
**BEST PRACTICE-BASED RESEARCH AWARD SESSION**

**BEST PRACTICE-BASED RESEARCH AWARD: A sustainable educational research lab for professionalization in the field of giftedness**

Anouke Bakx, Fontys University, Radboud University, Netherlands; Kim Smeets, POINT / Stichting BOOM, Netherlands; Elise Samsen, POINT / Stichting BOOM, Netherlands; Jeroen Zeeuwen, Stichting BOOM, Netherlands

**Student engagement in STEM online classes**

Aneta Gop, Copernicus Science Centre, Poland

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**Sessions E:1**

**ROUNDTABLE: STEM EDUCATION**

**Chair**

Bernd Gössling, University of Innsbruck, Austria, Austria

**Supporting student teachers in creating an evidence-informed teaching practice in STEM-education**

Ria Dolling, University of Groningen, Netherlands; Mina Alia, University of Groningen, Netherlands; Sabine Fechner, University of Paderborn, Germany; Pascal Pollmeier, University of Paderborn, Germany; Christian Bokhove, University of Southampton, United Kingdom; Sally Bambr, University of Chester, United Kingdom; Eliza Ryba, Adam Mickiewicz University, Poznan, Poland; Lesley De Putter, Eindhoven University of Technology, Netherlands; Adri Dierdorp, DUDOCnetwork, Netherlands

**Interdisciplinary educational development in science and technology in higher education**

Iris Peeters, KU Leuven, Belgium

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**Sessions E:2**

**ROUNDTABLE: CONTINUING PROFESSIONAL DEVELOPMENT IN TEACHERS IN SECONDARY EDUCATION**

**Chair**

Lisette Munneke, Utrecht University of Applied Sciences, Netherlands

**Constructing and evaluating activities for teacher design teams working on technology innovation**

Lysanne Post, ICLON-Leiden University Graduate School of Teaching, Netherlands; Anouschka van Leeuwen, Utrecht University, Netherlands; Ditte Lockhorst, Oberon research institute, Netherlands; Wilfried Admiraal, Leiden University, Netherlands; Lisbeth Kester, Utrecht University, Netherlands

**Adaptive capacity of teachers, schools and teacher education: shaping future teaching profession**

Wouter Schenke, Kohnstamm Institute, University of Amsterdam, Netherlands; Marieke van der Pers, University of Groningen, Netherlands; Monika Louwes, Utrecht University, Netherlands; Ditte Lockhorst, Oberon research institute, Netherlands; Bregje de Vries, VU University, Netherlands; Patricia Brouwer, Hogeschool Utrecht Lectoraat Beroepsonderwijs, Netherlands; Amber Warlaven, Radboud University, Netherlands

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**Sessions E:3**

**ROUNDTABLE: SECONDARY SCHOOL EDUCATION**

**Chair**

Hubert Gruber, Pädagogische Hochschule NÖ / University College of Teacher Education Lower Austria, Austria

**The development of interactive quality of online learning activities during the Corona crisis**

Francoise Beerens, NHL Stenden, Academie Educatie vo & mbo, Netherlands; Marielle Kuipper, Windesheim University of Applied Science, Netherlands

**Unpacking student’s artistic creativity: an integrative arts education project in a secondary school**

Sabine Chatelain, University of Teacher Education, State of Vaud (Lausanne), Switzerland; Carlos Lage, Universidad Complutense de Madrid, Spain
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<td>Helene Uppin, Tallinn University, Estonia</td>
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<tr>
<td><strong>Influence of preparatory co-creation sessions and process characteristics on team effectiveness</strong></td>
<td>Sabrina Govaerts, AP University of Applied Sciences and Arts Antwerp, Belgium; Elena Van den Broeck, AP University of Applied Sciences and Arts Antwerp, Belgium; Astrid Koelman, AP University of Applied Sciences and Arts Antwerp, Belgium; Maja Christians, AP University of Applied Sciences and Arts, Belgium</td>
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<td><strong>Room for improvement - Comparative study on the impact of the kindergarten classroom on the teacher</strong></td>
<td>Caroline Moons, UCLL, Belgium; Maai Huys, UC Leuven Limburg, Belgium; Liesbeth Alaerts, UCLL, Belgium</td>
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<td>Anthony Thorpe, University of Roehampton, United Kingdom</td>
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<tr>
<td><strong>Teachers and youth care professionals in schools: working together = learning together?</strong></td>
<td>Karin Diemel, Fontys University of Applied Sciences, Netherlands; Anja van Zon, Fontys Opleidingscentrum Speciale Onderwijszorgen, Netherlands; Mariette Haasen, Fontys OSO, Netherlands</td>
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<td><strong>Strategic educational development as a co-operative inquiry</strong></td>
<td>Jenni Koponen, Metropolia University of Applied Sciences, Finland; Kirsi Kussa, Metropolia University of Applied Sciences, Finland; Katri Luukka, Metropolia University of Applied Sciences, Finland</td>
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<td>Leen Alaerts, UC Leuven-Limburg, Belgium</td>
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<tr>
<td><strong>Talking about inclusive Artificial Intelligence in Education</strong></td>
<td>Sibel Inci, Kocaeli University, Turkey</td>
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<td><strong>The framework of the Language Mindset: evidence-based teaching in the (foreign) language classroom</strong></td>
<td>tinne van camp, UCLL, Belgium; Karen De Jonghe, UC Leuven Limburg, Belgium; Katrien Dewaele, UCLL, Belgium</td>
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<td><strong>Chair</strong></td>
<td>Muriel De Wolf, University College Ghent, Belgium</td>
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<tr>
<td><strong>Adaptive learning systems in mathematics in primary education</strong></td>
<td>Anouk Wezendonk, Marnix Academie (PABO), Netherlands; Stella van der Wal Mars, Marnix Academie, University of Applied Sciences, Netherlands</td>
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<tr>
<td><strong>Immersive virtual reality simulations for competence development: innovative or rather utopic?</strong></td>
<td>Delphine Franco, University of Ghent, Belgium; Ruben Vanderlindt, Ghent University, Belgium; Martin Valkke, Ghent University, Belgium</td>
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<td><strong>EAPRIL SPOTLIGHT SESSION: SKILLMAN.EU: THE GLOBAL INNOVATION ALLIANCE FOR A FUTURE-PROOF TVET</strong></td>
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<tr>
<td><strong>Skillman.eu: the global innovation alliance for a future-proof TVET</strong></td>
<td>Giovanni Crisona, Skillman.eu, Italy; Julian Ng, Warnborough College, United Kingdom; Valentina De vico, Skillman.eu, Italy; Elena Romanini, Skillman.eu, Italy; Birgit Sandu, AER, Belgium; Aurora Carrasco Minguez, Accion contra el hambre, Spain</td>
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</table>
**Sessions E: 9**  
**Time:** 13:30-15:00  
**Location:** Session Room 5  

**CASE STUDY: INNOVATIONS IN HIGHER EDUCATION**  
**Chair**  
Eva Hornung, University of Sheffield/Trinity College Dublin, Ireland

<table>
<thead>
<tr>
<th>Students advising management: A cross-curricular case study on intercultural learning</th>
<th>Marlene Bradbury, Zuyd University of Applied Sciences, Netherlands; Joris Boonen, Zuyd University of Applied Sciences, Netherlands; Anke Hoefnagels, Zuyd University of Applied Sciences, Netherlands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technological, data and media literacy in the science classroom</td>
<td>Alfred Steinbach, Fachdidaktik Naturwissenschaften, Switzerland; Nicolas Robin, Fachdidaktik Naturwissenschaften, Switzerland</td>
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</tbody>
</table>

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**Sessions E: 10**  
**Time:** 13:30-15:00  
**Location:** Session Room 2  

**PRESENT & DISCUSS: TEAM & WORKPLACE LEARNING**  
**Chair**  
Christian Wallner, University of Applied Sciences Leiden, Netherlands

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<tr>
<th>Teacher’s coaching by the coach in the school context</th>
<th>Manal Raoui, Regional Center for Education and Training Professions - El Jadida, Morocco</th>
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<tbody>
<tr>
<td>Learning at work in disruptive industries: an international case study in the touristic sector</td>
<td>Francesca Amenduni, Swiss Federal Institute for Vocational Education and Training (SFIVET), Switzerland; Essi Ryymin, Häme University of Applied Sciences, Finland; Katja Mästilä, HAMK University of Applied Sciences, Finland; Paolo Nardi, Cometa Research, Italy; Alberto Cattaneo, Swiss Federal University for Vocational Education and Training, Switzerland; Peter Gruenheid, Bildungswork der Niedersächsischen Wirtschaft Gemeinn, Germany</td>
</tr>
<tr>
<td>Learn to think: developing a teaching method to enhance critical thinking in secondary education</td>
<td>Jelle De Schrijver, Antwerp University, Belgium; Laura Van den Broeck, Odisee University College, Belgium; Sarah De Wachter, Odisee University College, Belgium; Jan Sermeus, KU Leuven, Belgium</td>
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</tbody>
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**Sessions F: 1**  
**Time:** 15:15-16:45  
**Location:** Session Room 1  

**EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 07 - CREATING IMPACT: CRITERIA FOR RESEARCH IMPACT ON SCHOOL DEVELOPMENT**  
**Chair**  
Anje Ros, Fontys University of Applied Sciences, Netherlands; Linda Sontag, NRO, Netherlands; Rowan Zuidema, Netherlands Initiative for Education Research (NRO), Netherlands

<table>
<thead>
<tr>
<th>CLOUD 07 - Creating impact: Criteria for research impact on school development</th>
<th>Anje Ros, Fontys University of Applied Sciences, Netherlands; Linda Sontag, NRO, Netherlands; Rowan Zuidema, Netherlands Initiative for Education Research (NRO), Netherlands</th>
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</thead>
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**Sessions F: 2**  
**Time:** 15:15-16:45  
**Location:** Session Room 9  

**EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 08 - WHAT HAPPENS NEXT? DIVERSITY & EQUALITY IN VOCATIONAL EDUCATION IN THE POST COVID-19 ERA.**  
**Chair**  
Anthony Thorpe, University of Roehampton, United Kingdom; Nick Gee, Birmingham City University, United Kingdom; Elke Emmers, UCLL, Belgium

<table>
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<tr>
<th>CLOUD 08 - What happens next? Diversity &amp; equality in vocational education in the post COVID-19 era.</th>
<th>Anthony Thorpe, University of Roehampton, United Kingdom; Nick Gee, Birmingham City University, United Kingdom; Elke Emmers, UCLL, Belgium</th>
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</thead>
</table>

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**Sessions F: 3**  
**Time:** 15:15-16:45  
**Location:** Session Room 11  

**EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 11 - PRACTICE-BASED RESEARCH METHODOLOGY. DANCING WITH DILEMMAS.**  
**Chair**  
Niek van den Berg, Agres University of Applied Sciences Wageningen, Netherlands; Marco Mazereeuw, NHL Stenden University of Applied Sciences, Netherlands; Lisette Munneke, Utrecht University of Applied Sciences, Netherlands

<p>| CLOUD 11 - Practice-based Research Methodology. Dancing with dilemmas. | Niek van den Berg, Agres University of Applied Sciences Wageningen, Netherlands; Marco Mazereeuw, NHL Stenden University of Applied Sciences, Netherlands; Lisette Munneke, Utrecht University of Applied Sciences, Netherlands |</p>
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<thead>
<tr>
<th>Sessions F: 4</th>
<th>Time: 15:15-16:45</th>
<th>Location: Session Room 8</th>
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<tbody>
<tr>
<td><strong>EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 04 - INNOVATION IN EDUCATION: ANSWERING THE EARTH’S CALL TO EMBRACE EDUCATION 4.0!</strong></td>
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</table>
| CLOUD 04 - Innovation in Education: Answering the Earth’s Call to Embrace Education 4.0!  
Zarina M. Charlesworth, University of Applied Sciences & Arts Western Switzerland / HES-SO, Switzerland  
Els Laenens, University of Antwerp, Belgium |

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<th>Sessions F: 5</th>
<th>Time: 15:15-16:45</th>
<th>Location: Session Room 3</th>
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<tbody>
<tr>
<td><strong>ROUNDTABLE: INTERACTION AND DISCOURSE IN PRIMARY EDUCATION</strong></td>
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</table>
| Chair  
Ronald Keijzer, Hogeschool iPabo, Netherlands  
School leaders and the non-conscious  
Gerbrand Kloppenburg, Hogeschool Viaa, Netherlands  
A photovoice project on self-regulation: capturing words and images of teenagers and their teachers  
tinne van camp, UCLL, Belgium; Ilse Aerden, UCLL, Belgium; lotte wilms, UCLL, Belgium; nadine bongaerts, UCLL, Belgium |

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<th>Sessions F: 6</th>
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<tbody>
<tr>
<td><strong>WORKSHOP: VALUE CREATION IN POP-UP PROFESSIONAL NETWORKS – THE LEARNING NETWORK FACILITATOR COMPASS</strong></td>
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</table>
| Value creation in pop-up professional networks – the Learning Network Facilitator Compass  
Max Aangenendt, The Hague University of Applied Sciences, Netherlands  
Christian Wallner, University of Applied Sciences Leiden, Netherlands |

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<tr>
<th>Sessions F: 7</th>
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<tr>
<td><strong>WORKSHOP: EXPLORING HYPOTHETICAL QUESTION TRAJECTORIES AS SUPPORT FOR GUIDING STUDENT QUESTIONING</strong></td>
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| Exploring hypothetical question trajectories as support for guiding student questioning  
Harry Stokhof, HAN University of Applied Sciences, Netherlands  
Helma Oolbekkink-Marchand, Radboud University, Department of Teacher education & HAN University of Applied Sciences, Netherlands |

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<th>Sessions F: 8</th>
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<tbody>
<tr>
<td><strong>CASE STUDY: EDUCATIONAL TECHNOLOGY IN HIGHER EDUCATION</strong></td>
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</table>
| Chair  
Iris Peeters, KU Leuven, Belgium  
Training reflection skills with a chatbot  
Margaux De Vos, Karel De Grote University College, Belgium  
Smart Campus - Competence Renewal, RDI and Industry Co-Operation in Higher Education  
Sanna Brauer, Oulu University of Applied Sciences, Finland  
Ville Isoherranen, Oulu University of Applied Sciences, Finland  
Jussi Kangasoja, Oulu University of Applied Sciences, Finland  
Marine Tervaskanto, Oulu University of Applied Sciences, Finland |
### WORKSHOP: IMPLICATIONS OF DIGITAL TRANSFORMATION FOR FUTURE DESIGN OF HIGHER AND VET EDUCATIONAL STUDIES

**Implications of digital transformation for future design of higher and VET educational studies**
Silvia Annen, Otto-Friedrich-Universität Bamberg, Germany; Bernd Gössling, University of Innsbruck, Austria; Karl-Heinz Gerholz, University of Bamberg, Germany; Sabrina Sailer, Otto-Friedrich-University of Bamberg, Germany; Philipp Schlottmann, Bamberg University, Germany

### WORKSHOP: RESEARCH ETHICS COMPASS

**Research Ethics Compass**
Anu Tammeleht, University of Helsinki, Estonia
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<tr>
<td><strong>WORKSHOP: CRAFT/ED - CREATIVE ALGORITHMS, FRAMES AND TOOLS FOR RE/DESIGNING EDUCATIONAL PROGRAMS</strong></td>
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<tr>
<td><strong>CRAFT/ED - Creative Algorithms, Frames and Tools for re/designing educational programs</strong></td>
<td>Daria Ilishkina, School of Innovations and Creative Thinking “IKRA”, Russian Federation; Vitaliy Mikryukov, School of Innovations and Creative Thinking “IKRA”, Russian Federation; Vasiliy Lebedev, School of Innovations and Creative Thinking “IKRA”, Russian Federation</td>
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<th>Sessions G: 2</th>
<th>Time: 09:00-10:30</th>
<th>Location: Session Room 9</th>
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<tbody>
<tr>
<td><strong>EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 08-DIVERSITY&amp;EQUALITY IN HIGHER VOCATIONAL EDUCATION IN THE POST-COVID-19 ERA: LET’S RECONNECT?</strong></td>
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<tr>
<td><strong>CLOUD 08-Diversity&amp;equality in higher vocational education in the post-COVID-19 era: let’s reconnect?</strong></td>
<td>Elke Emmers, UCLL, Belgium</td>
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<tr>
<th>Sessions G: 3</th>
<th>Time: 09:00-10:30</th>
<th>Location: Session Room 1</th>
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<tbody>
<tr>
<td><strong>CASE STUDY: TEACHER EDUCATION</strong></td>
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<tr>
<td><strong>Chair</strong></td>
<td>Karin Diemel, Fontys University of Applied Sciences, Netherlands</td>
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<tr>
<td><strong>Preservice teachers’ developing roles in primary mathematics education during the COVID-19 crisis</strong></td>
<td>Michiel Veldhuis, Hogeschool IPABO Amsterdam/Alkmaar, Netherlands; Sonja Stuber, Hogeschool IPABO Amsterdam/Alkmaar, Netherlands; Ronald Keijzer, Hogeschool IPABO Amsterdam/Alkmaar, Netherlands</td>
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<tr>
<td><strong>Can disruption lead to positive changes in Teacher Education?</strong></td>
<td>Vesna Belogaska, IRIS Connect, United Kingdom</td>
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<tr>
<th>Sessions G: 4</th>
<th>Time: 09:00-10:30</th>
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<tbody>
<tr>
<td><strong>CASE STUDY: WORKPLACE LEARNING</strong></td>
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<tr>
<td><strong>Chair</strong></td>
<td>Tijmen Schipper, Windesheim University of Applied Sciences, Netherlands</td>
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<tr>
<td><strong>How to create a tool to improve transfer of training.</strong></td>
<td>Ilse Goedhart, CoThink, Netherlands</td>
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<tr>
<td><strong>Kickstart Your Soft Skills: user-centred design of a soft skills self-assessment tool for students</strong></td>
<td>Amber Hoefkens, AP University College Antwerp, Belgium; Peter David, AP University College Antwerp, Belgium</td>
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<th>Time: 09:00-10:30</th>
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<tr>
<td><strong>CASE STUDY: PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION</strong></td>
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<tr>
<td><strong>Chair</strong></td>
<td>Lionel Alvarez, HEP-Fribourg</td>
<td>Université de Fribourg, Switzerland</td>
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<tr>
<td><strong>Research- and user-driven development of the CHAMELEON instruments and dashboard for teachers</strong></td>
<td>Gert Vanthournout, Artesis Plantijn University College, Belgium; Astrid Koelman, Artesis Plantijn University College, Belgium; David D’Haese, Artesis Plantijn University College, Belgium; Pieter Depaessemier, Artesis Plantijn University College, Belgium</td>
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<tr>
<td><strong>What happens when a mandatory oral assignment in teacher education (TE) must change its shape?</strong></td>
<td>Camilla Bjelland, Institutt for pedagogikk religion og samfunnstag, Norway; Gunn Tone Iversen, Western University of Applied Sciences, Norway; Marit Kulild, Western Norway University of Applied Sciences, Norway</td>
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<td>Session G: 6</td>
<td>Time: 09:00-10:30</td>
<td>Location: Session Room 7</td>
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<tr>
<td><strong>CASE STUDY: PROFESSIONALISATION OF EDUCATORS</strong></td>
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<tr>
<td><strong>Chair</strong> Wouter Smets, Karel de Grote University college, Belgium</td>
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<tr>
<td>The role and positioning of master educated teachers in vocational educational institutes</td>
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<tr>
<td>Sara Albone, Aeres Hogeschool Wageningen, Netherlands; Wilbert van der Heij, Skyward Learning Agency, Netherlands; Kathinka van Doesum, mboRijnland, Netherlands; Liane Driessen, Aeres Group, Netherlands</td>
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<tr>
<td>A Framework for Inter-institutional Professional Development: A CHARM European University Case Study</td>
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<tr>
<td>Sanne van Vugt, Utrecht University, Netherlands; Silvia Gallagher, Trinity College Dublin, Ireland; Annet van der Riet, Utrecht University, Netherlands; Jan Haarhuis, Utrecht University, Netherlands</td>
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<th>Session G: 7</th>
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<tr>
<td><strong>CASE STUDY: IN-SERVICE TEACHER TRAINING IN TEACHER EDUCATION</strong></td>
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<td><strong>Chair</strong> Rosanne Hebing, Iselinge Hogeschool, Netherlands</td>
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<tr>
<td>Digital Open badges and ePortfolios in Profiling Expertise</td>
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<td>Sanna Brauer, Oulu University of Applied Sciences, Finland; Anne-Maria Kothonen, Hamk University of Applied Sciences, Finland</td>
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<tr>
<td>A blended learning in-service teacher training for integrating experiments in STEM</td>
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<td>Birgitta Kopp, Ludwig Maximilians-University, Germany; Heinz Mandl; University of Munich (LMU), Germany; Angela Clerc, Siemens Foundation, Germany</td>
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<tr>
<td><strong>EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 13-JUMP IN! ROUNDTABLE ON RESEARCH IDEAS AND DESIGNS/EXPLORING PRACTICE-BASED RESEARCHER ROLES</strong></td>
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<tr>
<td>CLOUD 13-Jump in! roundtable on research ideas and designs/exploring practice-based researcher roles</td>
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<tr>
<td>Pieter Seuneke, Aeres University of Applied Sciences Wageningen, Netherlands; Ellen Rohaan, Fontys University of Applied Sciences, Netherlands</td>
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<tr>
<td><strong>SYMPOSIUM: INQUIRING INTERACTION ON PROFESSIONALIZATION IN VOCATIONAL EDUCATION AND TRAINING</strong></td>
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<tr>
<td><strong>Chair</strong> Sirpa Laitinen-Väänänen, JAMK University of Applied Sciences, Finland</td>
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<td><strong>Organiser</strong> Niek van den Berg, Aeres University of Applied Sciences Wageningen, Netherlands</td>
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<tr>
<td><strong>Discussants</strong> Jorg Helie, Westfälische Wilhelms-Universität Münster, Germany; Alberto Cattaneo, Swiss Federal University for Vocational Education and Training, Switzerland</td>
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<tr>
<td>Control or dialogue: working on professional organizations</td>
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<td>Jornick Beckers, Open University of the Netherlands, Netherlands; Vinitha Siebers, Vrije Universiteit Amsterdam, Netherlands</td>
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<tr>
<td>Searching for good work together: professionally framing the team task</td>
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<td>Tom van Oeffelt, Aeres University Wageningen, Netherlands</td>
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<tr>
<td>Master-educated teachers: drivers of inquiry on educational quality</td>
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<tr>
<td>Jeroen Rozendaal, University of Applied Science Rotterdam Hogeschool Rotterdam, Netherlands; Erica Wijnands, Rijnland VET, Netherlands; Niek van den Berg, Aeres University of Applied Sciences Wageningen, Netherlands</td>
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<tr>
<td><strong>WORKSHOP: FACILITATING TEACHER LEARNING GROUPS WITH THE ‘SOCIAL REGULATION TOOL’</strong></td>
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<tr>
<td>Facilitating teacher learning groups with the ‘Social Regulation Tool’</td>
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<tr>
<td>Emmy Vrijing Teunier, Open University of the Netherlands, Netherlands; Lars de Vreugd, UMC Utrecht, Netherlands; Anouke Bakx, Fontys University, Radboud University, Netherlands; Liesbeth Baartman, Utrecht University of Applied Sciences, Netherlands</td>
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### Sessions G: 11  
**Time:** 09:00-10:30  
**Location:** Session Room 4

**EAPRIL CLOUD SPOTLIGHT SESSION: CLOUD 02-TRAINING PRIMARY SCHOOL STUDENT TEACHERS TO STIMULATE PUPILS' ACADEMIC LANGUAGE DEVELOPMENT**

- **Title:** CLOUD 02-Training primary school student teachers to stimulate pupils' academic language development  
- **Authors:** Nanke Dokter, Fontys University of Applied Sciences, Netherlands; Michel van Ingen, Fontys University of Applied Science, Netherlands

### Sessions G: 12  
**Time:** 09:00-10:30  
**Location:** Session Room 5

**WORKSHOP: COMPLEX TOOL: DESIGNING EFFECTIVE STUDENT TEACHERS' INNOVATION TEAMS**

- **Title:** Complex Tool: designing effective student teachers’ innovation teams  
- **Authors:** Henderijn Heldens, Fontys University of Applied Science, Netherlands; Anje Ros, Fontys University of Applied Sciences, Netherlands; Petra Swennenhuis, Fontys University of Applied Sciences, Netherlands

### Sessions H: 1  
**Time:** 11:00-12:30  
**Location:** Session Room 8

**PRESENT & DISCUSS: IMPROVING LEARNING AND WELL-BEING**

- **Chair:** Pieter Seuneke, Aeres University of Applied Sciences Wageningen, Netherlands  
- **Exploring student learning gains in challenge-based learning through students' reflections** Kerstin Helker, Eindhoven University of Technology, Netherlands; Isabelle Reymen, Eindhoven University of Technology, Netherlands; Miguel Bruns, Eindhoven University of Technology, Netherlands; Jasmina Lazendic-Galloway, Eindhoven University of Technology, Netherlands; Jan Vermunt, Eindhoven University of Technology, Netherlands  
- **The impact of co-creative learning environments on self-efficacy, motivation and student experience** Els Laenens, University of Antwerp, Belgium; Ellen Vandervieren, University of Antwerp, Belgium; Alexandra Verbuyst, University of Antwerp, Belgium
- **Engagement at distance: Engaging first-year students through buddy groups guided by senior students** Kariene Woudt-Mittendorff, Saxion University of Applied Sciences, Netherlands; Chantal Vethuis, Saxion University of Applied Sciences, Netherlands; Kris Holkenborg, Saxion University of Applied Sciences, Netherlands

### Sessions H: 2  
**Time:** 11:00-12:30  
**Location:** Session Room 1

**THEMATIC TRACK: LEARNING AND INNOVATING IN FIELD LABS**

- **Learning communities as drivers of learning and innovation in the age of Industry 4.0** Tijmen Schipper, Windesheim University of Applied Sciences, Netherlands; Jan Waalkens, Stenden hogeschool, Netherlands; Jacqueline Rietveld, NHL Stenden University of applied sciences, Netherlands  
- **Engaging Stakeholders in the design of Higher Education Critical Thinking Apprenticeships Curricula** Panagiota Christodoulou, University of Western Macedonia, Greece; Dimitrios Pnevmatikos, University of Western Macedonia, Greece; Angeliki Lithoxoidou, University of Western Macedonia, Greece; Triantafylla Georgiadou, University of Western Macedonia, Greece

### Sessions H: 3  
**Time:** 11:00-12:30  
**Location:** Session Room 5

**MEET-UP: CASE STUDIES: IMPROVING SELF-REGULATION THROUGH HYBRID LEARNING ENVIRONMENTS IN SECONDARY EDUCATION**

- **Case studies: Improving self-regulation through Hybrid Learning Environments in secondary education** David Stienaers, UC Leuven-Limburg, Belgium; Katrien Dewaele, UCLL, Belgium; Mieke Achtergaaele, UCLL, Belgium; Norma Juarez Collazo, UCLL, Belgium; Bart Boelen, UCLL, Belgium
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<td><strong>SYMPOSIUM: LEADERSHIP FOR SUSTAINABLE EDUCATIONAL INNOVATION: RESEARCH INSIGHTS AND PRACTICAL TOOLS</strong></td>
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<tr>
<td>Chair</td>
<td>Cindy Poortman, University of Twente, Netherlands</td>
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<tr>
<td>Discussant</td>
<td>Livia Anna Julia Jesacher-Roessler, University of Innsbruck, Austria, Austria</td>
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<tr>
<td><strong>How collaboration contributes to sustainable educational innovation</strong></td>
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<tr>
<td>Hilde Wierda-Boer, HAN University of Applied Sciences (UAS), Netherlands; Jorick Scheerens, Mediacollege Amsterdam, Netherlands</td>
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<td><strong>School leadership for sustainable educational innovation</strong></td>
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<td>Cindy Poortman, University of Twente, Netherlands; Anne Tappel, Carmelcollege School Board, Netherlands</td>
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<tr>
<td><strong>Distributed leadership by primary school leaders</strong></td>
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<tr>
<td>Breige de Vries, VU University, Netherlands; Wim Folker, SfPCPO Delta, Netherlands</td>
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<tr>
<th>Sessions H: 5</th>
<th>Time: 11:00-12:30</th>
<th>Location: Session Room 13</th>
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<tbody>
<tr>
<td><strong>MEET-UP: DIGITAL POVERTY DURING THE PANDEMIC</strong></td>
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<td>Digital poverty during the Pandemic</td>
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<td>Sibel Inci, Kocaeli University, Turkey</td>
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<th>Sessions H: 6</th>
<th>Time: 11:00-12:30</th>
<th>Location: Session Room 3</th>
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<tbody>
<tr>
<td><strong>WORKSHOP: THE MAGIC OF VALUE CREATION: HOW DOES VALUE CREATION IN NETWORKED CONTEXTS WORK?</strong></td>
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<tr>
<td>The magic of value creation: How does value creation in networked contexts work?</td>
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<tr>
<td>Tim Hoppen, The Hague University of Applied Sciences, Netherlands; Christian Wafner, University of Applied Sciences Leiden, Netherlands; Max Aangenendt, The Hague University of Applied Sciences, Netherlands</td>
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<th>Sessions H: 7</th>
<th>Time: 11:00-12:30</th>
<th>Location: Session Room 7</th>
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<tbody>
<tr>
<td><strong>MEET-UP: EXPERIMENT-BASED LEARNING IN PROFESSIONAL DEVELOPMENT</strong></td>
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<td>Experiment-based learning in professional development</td>
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<td>Sofie Kobayashi, University College Copenhagen, Denmark</td>
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<th>Sessions H: 8</th>
<th>Time: 11:00-12:30</th>
<th>Location: Session Room 2</th>
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<tbody>
<tr>
<td><strong>MEET-UP: APPLICATION PROCESSES OF UPCOMING TEACHER STUDENTS</strong></td>
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<td>Application processes of upcoming teacher students</td>
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<td>Jorg Holle, Westfälische Wilhelms-Universität Münster, Germany</td>
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<th>Sessions H: 9</th>
<th>Time: 11:00-12:30</th>
<th>Location: Session Room 4</th>
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<tbody>
<tr>
<td><strong>CASE STUDY: HIGHER EDUCATION &amp; EARLY CHILDHOOD EDUCATION</strong></td>
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<td>Chair</td>
<td>Stijn Bollinger, Hogeschool Utrecht (University of Applied Sciences Utrecht), Netherlands</td>
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<tr>
<td>From shredded learning to shared learning: innovation and development of teams in the ICT domain</td>
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<td>Tanja Stover, Fontys University of Applied Science, Netherlands</td>
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<td>Promoting early childhood STEM in the digital era: A framework to support the supporters</td>
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<td>Esther Chong, Yew Chung College Early Childhood, Hong Kong; Yoyo Kwan, Yew Chung College of Early Childhood Education, Hong Kong; Mona Wong, Yew Chung College of Early Childhood Education, Hong Kong; Brad Chan, Yew Chung College of Early Childhood Education, Hong Kong</td>
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### Sessions H: 10  
**Time:** 11:00-12:30  
**Location:** Session Room 9  

**CASE STUDY: CREATIVITY IN 21ST CENTURY LEARNING**  
**Chair:** Marcelle Moor, University of Teacher Education (HEP-BEJUNE), Bienne, Switzerland  
**CRAFT/ED – adaptation of creative methodology CRAFT for educational context**  
Daria Ilishkina, School of Innovations and Creative Thinking “IKRA”, Russian Federation; Vasilii Lebedev, School of Innovations and Creative Thinking “IKRA”, Russian Federation; Vitalii Mikryukov, School of Innovations and Creative Thinking “IKRA”, Russian Federation  
**Digital Storytelling in teacher education: From uncertainty to joy**  
Mary Ann Isaacs, Vrije Universiteit Brussel (VUB), Belgium; Jo Tondeur, Vrije Universiteit Brussel, Belgium

### Sessions H: 11  
**Time:** 11:00-12:30  
**Location:** Session Room 6  

**PRESENT & DISCUSS: ASSESSMENT AND EVALUATION IN DISTANCE EDUCATION**  
**Chair:** Veerle Verschoren, Odisee University College, Belgium  
**Variation of evaluation choices in a BA programme simultaneously run in face-to-face and on-line**  
Barbara Class, University of Geneva, Switzerland; Sonia Halimi, University of Geneva, Switzerland  
**Investigating students’ e-learning readiness in the science classroom**  
Soeharto Soeharto, University of Szeged, Doctoral School of Education, Indonesia; Benö Csapó, University of Szeged, Hungary  
**Home-based exams at a distance university: obstacles, opportunities and empirical results**  
Markus Dormann, Fernfachhochschule Schweiz, Switzerland

### Sessions H: 12  
**Time:** 11:00-12:30  
**Location:** Session Room 11  

**WORKSHOP: EVIDENCE-INFORMED TEMPLATE FOR GOOD PRACTICES OF EDUCATIONAL INNOVATION WITH TECHNOLOGY**  
**Evidence-informed template for good practices of educational innovation with technology**  
Esther van der Stappen, Avans University of Applied Sciences, Netherlands; Fleur Prinsen, Rotterdam University of Applied Sciences, Netherlands

### Keynote speech by Assoc. Prof. Anastasia Sergeeva: 1  
**Time:** 13:30-14:30  
**Location:** Auditorium  

**EAPRIL KEYNOTE: WORKPLACE LEARNING IN THE DIGITAL AGE: INSIGHTS FROM ETHNOGRAPHIES IN ORGANIZATIONS**  
**Chair:** Martijn Willemse, Windesheim University of Applied sciences, Netherlands  
**Workplace learning in the digital age: insights from ethnographies in organizations**  
Anastasia Sergeeva, Vrije Universiteit Amsterdam, Netherlands