



Session A: 1

Time: 10:15-11:15

Location: Session Room 9

**SINGLE PAPER: BEST OF JURE PAPER SESSION****Chair**

Prajakt Pande, Roskilde University, Denmark

**Developing and Validating Preschoolers' Early Numeracy Teacher Rating Scale (TRS-EN)**

Terhi Vessonen, University of Helsinki, Finland; Anna Widlund, Åbo Akademi University, Finland; Airi Hakkarainen, University of Helsinki, Finland; Pirjo Aunio, University of Helsinki, Finland

**Stimulating Inference-making When Reading and Listening to Narrative Texts**

Brechtje van Zeijts, Erasmus University Rotterdam, Netherlands; Lesya Ganushchak, Erasmus University Rotterdam, Netherlands; Huib Tabbers, Erasmus University Rotterdam, Netherlands

**Promoting student teachers' writing skills by automated feedback and self-assessment**

Veronika Barkela, Universität Koblenz-Landau, Germany; Miriam Leuchter, University of Koblenz - Landau, Germany

Session A: 2

Time: 10:15-11:15

Location: Session Room 1

**SINGLE PAPER: MATHEMATICS****Chair**

Funda Kelahmetoğlu Tunçer, Middle East Technical University, Turkey

**Mathematics Teachers' Perceived Levels of Metacognition and Students' Achievement in Mathematics**

Ruth Wafubwa, University of Szeged, Kenya

**Lecture Note-taking Factor Analyses: Japanese and Chinese Students' Math Class Strategies**

Mengsi Liu, The University of Tokyo, Japan

**Teaching subtraction bridging through ten: different learning possibilities for pupils in grade 1**

Maria Nord, University of Gothenburg, University of Borås, Sweden

Session A: 3

Time: 10:15-11:15

Location: Session Room 10

**SINGLE PAPER: SPECIAL EDUCATIONAL NEEDS****Chair**

Agnes Cichy, University of Regensburg, Germany

**Evaluating Ability Grouping's Potential to Reduce Gifted Students' Academic Boredom**

Markus Feuchter, University of Trier, Germany; Franzis Preckel, University of Trier, Germany

**The Effect of Individual and Situational Factors on Teachers' Justice Ratings of Class Situations**

Scarlett Madeline Kobs, Humboldt Universität zu Berlin, Germany; Michel Knigge, Humboldt Universität zu Berlin, Germany; Antje Ehlert, University of Potsdam / University of Johannesburg, Germany; Jenny Lenkeit, University of Potsdam, Germany; Anne Hartmann, University of Potsdam, Germany; Nadine Spörer, University of Potsdam, Germany

**A combined numerical relational and motor skill intervention to improve preschoolers' early numeracy**

Pinja Jylänki, University of Helsinki, Finland; Elina Sipinen, University of Helsinki, Finland; Theo Mbay, University of Helsinki, Finland; Arja Sääkslahti, University of Jyväskylä, Faculty of Sport and Health Sciences, Finland; Pirjo Aunio, University of Helsinki, Finland

Session A: 4

Time: 10:15-11:15

Location: Session Room 8

**SINGLE PAPER: CITIZENSHIP AND MULTICULTURAL EDUCATION****Chair**

Belinda Merkle, University of Mannheim, Germany

**Initiators' perception of community education's purposes**

Julia Steenwegen, University of Antwerp, Belgium; Noel Clycq, University of Antwerp, Belgium; Jan Vanhoof, University of Antwerp, Belgium

**Pedagogy and Democratic Vision in Israel's Democratic Schools**

Yifat Filo, Tel Aviv University, Israel; Benzi Slakmon, Tel Aviv University, Israel

**Students evaluating the trustworthiness of historical sources and internet sources: a comparison.**

Maartje van der Eem, University of Amsterdam, Netherlands; Marlieke Smelt, University of Amsterdam, Netherlands; Jannet Van Drie, University of Amsterdam, Netherlands; Saskia Brand-Gruwel, Hogeschool Zuyd, Netherlands; Carla Van Boxtel, University of Amsterdam, Netherlands

Session A: 5

Time: 10:15-11:15

Location: Session Room 7

**SINGLE PAPER: SOCIAL ASPECTS OF LEARNING AND TEACHING****Chair**

ANASTASIA SKARPETI, NTNU - Norwegian University of Science and Technology, Norway

**Students' Explicit and Implicit Interethnic Attitudes and Classroom Cohesion and Peer Acceptance**

Lian van Vemde, Utrecht University, Netherlands; Lisette Hornstra, Utrecht University, Netherlands; Jochem Thijs, University Utrecht, Netherlands

**The relational social support system in primary school – A longitudinal multi-level study**

Pihla Rautanen, Tampere University, Finland; Tiina Soini-Ikonen, Tampere University, Finland; Janne Pietarinen, University of Eastern Finland, Finland; Kirsi Pyhältö, University of Helsinki, Finland

**Validation for the Constructivist Learning Environment Questionnaires in Iraqi Kurdistan**

saif Mohammed, University of Szeged, Doctoral School of Education, Hungary; Laszlo Kinyo, University of Szeged, Hungary

Session A: 6

Time: 10:15-11:15

Location: Session Room 4

**SINGLE PAPER: READING COMPREHENSION****Chair**

Xiangyuan Feng, University of Groningen, Netherlands

**Sixth Graders Evaluating the Credibility of Online Texts: The Role of Self-Efficacy Beliefs**

Riikka Anttonen, Tampere University, Finland, Finland

**Do digital reading habits support the development of reading comprehension skills?**

Lidia Altamura Garcia, University of Valencia, Spain; Ladislao Salmeron, University of Valencia, Spain

Session A: 7

Time: 10:15-11:15

Location: Session Room 5

**SINGLE PAPER: ASSESSMENT AND EVALUATION****Chair**

Ijtihadi Kamilia Amalina, University of Szeged, Doctoral School of Education, Hungary

**Predictive validity of a positioning test for Engineering Technology**

Jolan Hanssens, KU LEUVEN, Belgium; Greet Langie, KU LEUVEN, Belgium; Carolien Van Soom, University of Leuven, Belgium

**Setting the baseline for the development of a feedback ecosystem to encourage feedback literacy**

Kurt Coppens, KU Leuven, Belgium; Lynn Van den Broeck, KU Leuven, Belgium; Naomi Winstone, University of Surrey, United Kingdom; Greet Langie, KU Leuven, Belgium

**Assessing Student Engagement: A Case Study in Vietnamese Higher Education**

Huy Cuong Nguyen, University of Szeged, Viet Nam

Session A: 8

Time: 10:15-11:15

Location: Session Room 2

**SINGLE PAPER: EARLY CHILDHOOD EDUCATION****Chair**

Rhiannon Moore, University of Bristol, United Kingdom

**Becomings of children's (in)equality of agency**

Anna Kristiina Kokko, University of Eastern Finland, Finland

**The last will be first? Stability of school readiness in 3-year old children**

Erica Kamphorst, University of Groningen, Netherlands; Marja Cantell, University Groningen, Netherlands; Gerda Van der Veer, University of Groningen, Netherlands; Alexander Minnaert, University of Groningen, Netherlands; Suzanne Houwen, University of Groningen, Netherlands

**Structure of early parent-child interactions in NEPS-SC1 observational data**

Daniel Mann, University of Bamberg (Otto-Friedrich-Universität Bamberg), Germany

Session B: 1

Time: 11:30-12:30

Location: Session Room 6

**ROUNDTABLE: TEACHING AND INSTRUCTION****Chair**

Valentina Reitenbach, BUW | University of Wuppertal, Germany

**Studying Diverse Solution Attempts as Preparation for Learning from Subsequent Instruction**

Charleen Brand, Ruhr University Bochum, Institute of Educational Research, Germany; Katharina Loibl, University of Education Freiburg, Germany; Nikol Rummel, Ruhr University Bochum, Germany

**Teacher effectiveness in India: understanding teacher factors in the context of a 'learning crisis'**

Rhiannon Moore, University of Bristol, United Kingdom

**Would that be racist? Constructing a scale on teacher students' concerns about cross-ethnic teaching**

Anna K Nishen, Freie Universität Berlin, Germany; Diana Schieck, Freie Universität Berlin, Germany; Ursula Kessels, Freie Universität Berlin, Germany

Session B: 2

Time: 11:30-12:30

Location: Session Room 8

**ROUNDTABLE: SELF-REGULATION AND SELF-EFFICACY****Chair**

Bea Mertens, University of Antwerp, Belgium

**Training of metacognitive monitoring abilities in primary school children**

Florian Bühler, University of Bern, Switzerland; Claudia Roebbers, University of Bern, Switzerland

**Exploring writing competence and affective and motivational aspects of writing in the EFL classroom**

Lea Siekmann, Westfälische Wilhelms-Universität Münster, Germany; Vera Busse, Westfälische Wilhelms-Universität Münster, Germany; Judy M. Parr, University of Auckland, New Zealand

**How do second-chance adults learn? Exploring learning profiles on different contextual levels**

Bea Mertens, University of Antwerp, Belgium; Vincent Donche, University of Antwerp, Belgium; Sven De Maeyer, Antwerp University, Belgium

Session B: 3

Time: 11:30-12:30

Location: Session Room 9

**ROUNDTABLE: DESIGN-BASED RESEARCH****Chair**

Ijtihadi Kamilia Amalina, University of Szeged, Doctoral School of Education, Hungary

**Development of FOCUS App for Assessment of Approaches to Learning in Kenya**

STEPHEN AMUKUNE, University of Szeged, Hungary; Karen Barret, University of Colorado at Denver, United States; Norbert Szabo, Institute of Education, University of Szeged, Hungary; Krisztián Józsa, Institute of Education, University of Szeged, Hungary

**Designing for teacher education: Exploring the concept of a responsive curriculum.**

Rieke van Bommel, Open University of the Netherlands, Netherlands; Ilya Zitter, Hogeschool Utrecht (University of Applied Sciences Utrecht), Netherlands; Ely De Bruijn, Open University of the Netherlands, Netherlands

**Developing dialogue in primary mathematics classrooms supported by online interactive technology**

Qian Liu, University of Cambridge, UK, China

Session B: 4

Time: 11:30-12:30

Location: Session Room 1

**ROUNDTABLE: SECONDARY EDUCATION****Chair**

Qiyun Zhu, Guangdong University of Foreign Studies, China

**Perfectionism, achievement striving, and academic well-being during upper secondary education**

Anna Kuusi, University of Helsinki, Finland; Markku Niemivirta, University of Eastern Finland, Finland; Petri Ihanntola, University of Helsinki, Finland; Heta Tuominen, University of Turku, Finland

**Schools' Notions of Citizenship, Belonging and Collective Identities**

Emma Brummer, University of Antwerp, Belgium; Noel Clycq, University of Antwerp, Belgium

**Migration background and writing competence in German: An exploration of Year 9 students in Germany**

Nora Müller, Westfälische Wilhelms-Universität Münster, Germany; Vera Busse, Westfälische Wilhelms-Universität Münster, Germany

Session B: 5

Time: 11:30-12:30

Location: Session Room 5

**ROUNDTABLE: FEEDBACK****Chair**

Jenni Kunnari, University of Oulu, Finland

**Conflicting roles of feedback on a large-scale online Q&A platform**

Alena Seredko, University of Gothenburg, Sweden

**Feedback for L1, L2 and FL writing: A discussion of in- and exclusion criteria for a meta-analysis**

Sina Scherer, Westfälische Wilhelms-Universität Münster, Germany; Steve Graham, Arizona State University, United States; Vera Busse, Westfälische Wilhelms-Universität Münster, Germany

Workshops I: 1

Time: 13:30-14:30

Location: Session Room 7

**JURE 2021 WORKSHOP: HOW TO BECOME ACTIVELY INVOLVED IN THE RESEARCH COMMUNITY WITH JURE & EARLI NETWORKS****How to become actively involved in the research community with Jure & Earli networks**

Hanke Korpershoek, University of Groningen, Netherlands; Panagiota Christodoulou, University of Western Macedonia, Greece

Workshops I: 2

Time: 13:30-14:30

Location: Session Room 3

**JURE 2021 WORKSHOP: HOW TO GROUND TECHNOLOGY-ENHANCED LEARNING RESEARCH IN (NEW) THEORIES OF COGNITION AND LEARNING?****How to ground technology-enhanced learning research in (new) theories of cognition and learning?**

Prajakt Pande, Roskilde University, Denmark; Rwitajit Majumdar, Kyoto University, Japan; Shitanshu Mishra, UNESCO MGIEP, India; Jayakrishnan Madathil Warriem, Indian Institute of Technology Madras, India; Aditi Kothiyal, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland

Workshops I: 3

Time: 13:30-14:30

Location: Session Room 8

**JURE 2021 WORKSHOP: SEM IN EDUCATIONAL RESEARCH: POSSIBILITIES AND APPLICATIONS****SEM in Educational Research: Possibilities and Applications**

Kaisa Haverinen, Tampere University, Finland; Roosa Yli-Pietilä, Tampere University, Finland

Workshops I: 4

Time: 13:30-14:30

Location: Session Room 2

**JURE 2021 WORKSHOP: SYSTEMATIC LITERATURE REVIEW: HOW TO PLAN, CONDUCT AND PRESENT THE RESULTS****Systematic Literature Review: How to plan, conduct and present the results**

Triantafyllia Georgiadou, University of Western Macedonia, Greece

Session C: 1

Time: 09:00-10:00

Location: Session Room 6

**ROUNDTABLE: TEACHING AND TEACHER EDUCATION****Chair**

Sally Gutierrez, Far Eastern University, Philippines, Philippines

**Co-designing an intervention promoting empathy use in primary school teachers**

Vanessa Kurdi, University of Reading, United Kingdom; Cathy Creswell, University of Oxford, United Kingdom; Jessica Deighton, University College London &amp; Anna Freud Centre, United Kingdom; Kou Murayama, University of Reading, United Kingdom

**A resources perspective on newly-qualified teachers: conceptual and methodological challenges**

Julia van Leeuwen, Radboud Teachers Academy, Radboud University Nijmegen, Netherlands; Femke Geijssels, Radboud University Nijmegen, Netherlands; Harmen Schaap, Radboud University Nijmegen, Netherlands; Paulien Meijer, Radboud University Nijmegen, Netherlands

**Promoting Teacher Self-Efficacy. A systematic review and meta-analysis on intervention studies.**

Janina Täschner, Technical University of Munich (TUM) &amp; ZIB (Centre for International Student Assessment), Germany; Doris Holzberger, Technical University of Munich (TUM), Germany; Theresa Dicke, Australian Catholic University | Institute for Positive Psychology &amp; Education, Australia

Session C: 2

Time: 09:00-10:00

Location: Session Room 5

**ROUNDTABLE: BEST OF JURE ROUNDTABLE SESSION****Chair**

Valentina Reitenbach, BUW | University of Wuppertal, Germany

**Does the impact of modeling approaches on the effects of teaching quality vary across countries?**

Benjamin Herbert, DIPF | Leibniz Institute for Research and Information in Education, Germany

**Measuring effective teaching from three perspectives: school inspectors, students, and teachers**

Hannah Bijlsma, University of Twente, Netherlands

**Adolescent Electronic Health Literacy In the Context of Education Policies and Pedagogical Practices**

Hadil Elsayed, University of Gothenburg, Sweden

Session C: 3

Time: 09:00-10:00

Location: Session Room 3

**ROUNDTABLE: TEACHER PROFESSIONAL DEVELOPMENT****Chair**

Pihla Rautanen, Tampere University, Finland

**Fostering Pre-service Teachers' Assessment Competences in Simulations with Two Types of Prompts**

Michael Nickl, Technische Universität München, Germany; Daniel Sommerhoff, Leibniz Institute for Science and Mathematics Education, Germany; Elias Codreanu, Technische Universität München, Germany; Stefan Ufer, Ludwig-Maximilians-Universität (LMU), Germany; Tina Seidel, Technische Universität München, Germany

**Lesson Planning Competence: A Systematization of Empirical Studies**

Madlena Kirchhoff, Leibniz University Hannover, Germany; Katharina Mueller, Leibniz University Hannover, Germany

**Who is willing to reflect? - A matter of student teachers' professional competence or personality?**

Rene Staab, DIPF Leibniz Institute for Research and Information in Education, Germany

Session C: 4

Time: 09:00-10:00

Location: Session Room 8

**ROUNDTABLE: WORKPLACE LEARNING AND PROFESSIONAL DEVELOPMENT****Chair**

Sebastian Anselmann, University of Education Schwäbisch Gmünd, Germany

**Applying digital ethnography to better understand technology-enhanced informal workplace learning**

Anne Karhapää, University of Jyväskylä, Finland; Raija Hämäläinen, University of Jyväskylä, Finland; Johanna Pöysä-Tarhonen, University of Jyväskylä, Finland

**Expertise in Science - The relationship between social networks and research performance**

Agnes Cichy, University of Regensburg, Germany; Hans Gruber, University of Regensburg, Germany

**Individual and Collective Deliberate Practice in Popular Music Bands**

Simon Schmidt, Universität Regensburg, Germany; Hans Gruber, University of Regensburg, Germany

Session C: 5

Time: 09:00-10:00

Location: Session Room 1

**ROUNDTABLE: CITIZENSHIP EDUCATION**

**Chair**

Sarah Straub, University of Vienna - Centre for Teacher Education, Austria

**Mentoring Inclusive Citizenship Education**

Sarah Straub, University of Vienna - Centre for Teacher Education, Austria

**Teaching and learning of historical-citizen competence in vulnerable contexts students**

Paula Neira, Pontificia Universidad Católica de Chile, Chile

Session D: 1

Time: 10:15-11:15

Location: Session Room 7

**POSTER PRESENTATION: BEST OF JURE POSTER SESSION**

**Chair**

Hoda Ashjari, University of Gothenburg, Sweden

**Inside the 'black box': Advancing insight in learning during mentoring in teacher education**

Ine Ophalvens, Ghent university, Belgium; Hanne Tack, Ghent University, Belgium; Ruben Vanderlinde, Ghent University, Belgium

**Developing first-year students' self-efficacy in a digital dominated semester: An intervention study**

Ronja Bükler, Paderborn University, Germany; Tobias Jenert, Paderborn University, Germany

**Potentials and pitfalls of using a video-based approach to competency modeling**

Lara Gerhardts, University of Paderborn, Germany

Session D: 2

Time: 10:15-11:15

Location: Session Room 6

**POSTER PRESENTATION: TEACHING AND TEACHER EDUCATION**

**Chair**

Valentina Reitenbach, BUW | University of Wuppertal, Germany

**Requirements for the digital competencies of teachers in context of the new curriculum Media and ICT**

Marina Grgic, Pädagogische Hochschule Bern, Switzerland

**Digital Competence in Teacher Education Curricula – Indications for Teacher Educator Knowledge?**

Ilka Nagel, Østfold University College / University of Oslo, Norway

**Classroom perceptions of students in differing ability levels in mathematics**

Freya Winterle, Leibniz Institute for Science and Mathematics Education (IPN) Kiel, Germany; Nele Kampa, University College of Teacher Education, Austria

**Portuguese Teachers' Conceptions about Grade Retention in 2nd Grade**

Natalie Santos, ISPA-Instituto Universitário, Portugal; Vera Monteiro, ISPA- Instituto Universitário, Portugal

Session D: 3

Time: 10:15-11:15

Location: Session Room 10

## POSTER PRESENTATION: E-LEARNING AND ONLINE LEARNING

## Chair

Madeleine Strobel, University of Glasgow, UK, Sweden

**Towards Automated Analysis and Visualization of Cognitive Presence in Online-based Learning**

Verena Dornauer, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; Lisa-Maria Norz, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; Michael Netzer, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; Eva Kaczko, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; Werner Hackl, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; Elske Ammenwerth, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria

**Towards an automatic measurement of social presence in online learning communities**

Lisa-Maria Norz, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; Verena Dornauer, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tirol, Austria; Eva Kaczko, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tiro, Austria; Werner Hackl, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tiro, Austria; Michael Netzer, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tiro, Austria; Elske Ammenwerth, Institute of Medical Informatics, UMIT - Private University of Health Sciences, Medical Informatics and Technology, Hall in Tiro, Austria

**Implementing Conditions of Hybrid Teaching and Learning Environment in Cambodian Higher Education**

sopheap kaing, University of Fribourg, Switzerland

**Teachers' views on digital personalized learning: an analysis of focus group interviews**

Rani Van Schoors, KU LEUVEN, Belgium; Kamakshi Rajagopal, KU LEUVEN, Belgium; Stefanie Vanbecelaere, KU Leuven, Belgium; Jan Elen, KU Leuven, Belgium; Annelies Raes, KU Leuven, Belgium; Fien Depaepe, KU Leuven, Belgium

Session D: 4

Time: 10:15-11:15

Location: Session Room 1

## POSTER PRESENTATION: MATHEMATICS AND PROBLEM SOLVING

## Chair

Soeharto Soeharto, University of Szeged, Doctoral School of Education, Indonesia

**Computer-Based Virtual Environment Simulations for Differential Diagnosis in Medical Education**

Christian Fässler, Swiss Federal Institute of Technology ETH Zurich, Switzerland; Manu Kapur, ETH Zurich, Switzerland; Jörg Goldhahn, Institute for Translational Medicine, Switzerland

**A Model of Problem-Solving in STEM based-Education**

Ijtihadi Kamilia Amalina, University of Szeged, Doctoral School of Education, Hungary; Tibor Vidákovich, University of Szeged, Hungary

**Tracing the significance of coefficients in learning to solve equations**

Anna Holmlund, University of Gothenburg and Chalmers University of Technology, Sweden

**Measuring math anxiety through self-reports and physiological data**

Febe Demedts, University of Leuven - Campus KULAK, Belgium; Bert Reynvoet, University of Leuven - Campus KULAK, Belgium; Delphine Sasanguie, HoGent, Belgium; Fien Depaepe, KU Leuven, Belgium

Session D: 5

Time: 10:15-11:15

Location: Session Room 4

## POSTER PRESENTATION: HIGHER AND VOCATIONAL EDUCATION

## Chair

Erica Kamphorst, University of Groningen, Netherlands

**Exploring university students' interaction process while collaboratively writing a synthesis text**

Karen Putzeys, Ghent University, Belgium; Bram De Wever, Ghent University, Belgium

**Evaluation of English Curriculum in Terms of Intercultural Communication Competences**

Funda Kelahmetoğlu Tunçer, Middle East Technical University, Turkey

**Constructing a participatory-transformative Future Skills approach for Higher Education**

Laura Eigbrecht, DHBW Karlsruhe, Germany

**Input from the grass roots - Challenges and problems of VET professionals in Germany**

Sebastian Anselmann, University of Education Schwäbisch Gmünd, Germany; Stefan Harm, University of Rostock, Germany; Uwe Faßhauer, University of Education Schwäbisch Gmünd, Germany



Session E: 1

Time: 11:30-12:30

Location: Session Room 3

## POSTER PRESENTATION: TECHNOLOGY-ENHANCED LEARNING

## Chair

Ipek Saralar-Aras, Ministry of Turkish National Education, Turkey

**Preservice Maths Teachers Techno-pedagogical Content Knowledge Regarding Geometry**

Ipek Saralar-Aras, Ministry of Turkish National Education, Turkey; Bengi Birgili, MEF University, Turkey

**VR simulation training in healthcare: professional development**

Emilia Lampi, University of Jyväskylä, Finland; Ari Tuhkala, University of Jyväskylä, Finland; Joni Lämsä, University of Jyväskylä, Finland; Maarit Virolainen, University of Jyväskylä, Finland; Katja Vähäsantanen, University of Jyväskylä, Finland; Raija Hämäläinen, University of Jyväskylä, Finland

**Digitally supported learning in informal learning places - motivational and cognitive effects**

Miriam Degner, Technische Universität München (TUM), Germany; Doris Lewalter, Technical University of Munich (TUM), Germany; Stephanie Moser, TUM Technical University of Munich, Germany

**Access the Molecular World through Haptic Quantum Chemistry**

Charlotte Müller, Professorship for Learning Science and Higher Education, Switzerland; Manu Kapur, ETH Zurich, Switzerland; Markus Reiher, Laboratorium für Physikalische Chemie, ETH Zürich, Switzerland

Session E: 2

Time: 11:30-12:30

Location: Session Room 6

## POSTER PRESENTATION: MOTIVATION AND EMOTION

## Chair

Terhi Vessonen, University of Helsinki, Finland

**The role of soft skills in sustaining students' life satisfaction and academic achievement**

Tommaso Feraco, Università degli Studi di Padova, Italy; Dario Resnati, Pentathlon srl, Italy; Davide Fregonese, Pentathlon srl, Italy; Chiara Meneghetti, Università degli Studi di Padova, Italy

**The joint role of students' expectation discrepancies and their interests for study success**

Belinda Merkle, University of Mannheim, Germany; Oliver Dickhaeuser, University of Mannheim, Germany

**Validating the Short Version of the Multidimensional Emotional Competence Questionnaire using ESEM**

Sebastian Gerbeth, University Regensburg, Germany; Elena Stamouli, University of Regensburg, Germany; Regina Mulder, University of Regensburg, Germany

**Acceptance and Commitment Approach to School Engagement: The Development of a Questionnaire**

Giulia Vettori, University of Florence, Italy; Daniele Mugnaini, Freelance Psychologist, Italy

Session E: 3

Time: 11:30-12:30

Location: Session Room 4

## POSTER PRESENTATION: PEER INTERACTION

## Chair

Iida Vedenpää, University of Helsinki, Finland

**The psychosocial profile of student victims of school bullying in primary education**

Zara Suárez-García, Universidad de Oviedo, Spain; Marisol Cueli, Universidad de Oviedo, Spain; Débora Areces, University of Oviedo, Spain; Paloma Gonzalez-Castro, University of Oviedo, Spain; David Álvarez-García, Oviedo University, Spain

**The Relationship between Parental Control and High-Risk Internet Behaviours in Adolescence**

Zara Suárez-García, Universidad de Oviedo, Spain; Ellian Tuero, University of Oviedo, Spain; Trinidad Garcia, University of Oviedo, Spain; Celestino Rodríguez, University of Oviedo, Spain; David Álvarez-García, Oviedo University, Spain

**How Do Knowledge Co-Construction and Social Regulation Interplay in a CSCL Task?**

Kateryna Zabolotna, University of Oulu, Finland, Finland; Jonna Malmberg, University of Oulu, Finland; Sanna Järvelä, University of Oulu, Finland; Hanna Jarvenoja, University of Oulu, Finland

**A systematic literature review on the social nature of peer assessment**

Morgane Senden, Université catholique de Louvain (UCL), Belgium; Liesje Coertjens, Université catholique de Louvain (UCL), Belgium

Session E: 4

Time: 11:30-12:30

Location: Session Room 8

**POSTER PRESENTATION: INSTRUCTIONAL DESIGN AND LEARNING TECHNOLOGIES****Chair**

Fitria Arifiyanti, University of Szeged, Doctoral School of Education, Hungary

**Using storytelling method for supporting pupils' PBL in home economics and science education**  
Liisa Lavonen, University of Helsinki, Finland**The Role of Regional Governance Networks in the Implementation of a Curriculum Reform in Switzerland**

Thomas Wicki, PHBern, University of Teacher Education, Switzerland

**Exploring benefits and constraints of a part-time course concept using digital learning tools**

Frank Deckert, TU Dresden, Germany; Susanne Narciss, TU Dresden, Germany; Hermann Körndle, TU Dresden, Germany

Session E: 5

Time: 11:30-12:30

Location: Session Room 7

**POSTER PRESENTATION: MOTIVATION AND EMOTION****Chair**

Madeleine Strobel, University of Glasgow, UK, Sweden

**Team teaching is emotional: Antecedents and qualities of teachers' emotions caused by team partners**

Franziska Muehlbacher, University of Salzburg, Austria

**Investigating the relationship between test anxiety and motivation in science learning**

Soeharto Soeharto, University of Szeged, Doctoral School of Education, Indonesia; Benő Csapó, University of Szeged, Hungary

**Who drives innovation? Assessing interindividual differences in teachers' proactive behavior**

Verena Jörg, German Institute for International Educational Research (DIPF), Germany; Ulrike Hartmann, DIPF | Leibniz Institute for Research and Information in Education, Germany; Mareike Kunter, DIPF | Leibniz Institute for Research and Information in Education, Germany

Keynotes: 1

Time: 13:30-14:30

Location: Auditorium A

**JURE 2021 KEYNOTE: INFORMED TRUST IN SCIENCE AS A WAY OF DEALING WITH SCIENCE IN DAILY LIFE****Chair**

Panagiota Christodoulou, University of Western Macedonia, Greece

**Informed Trust in Science as a Way of Dealing with Science in Daily Life**

Friederike Hendriks, TU Braunschweig, Germany

Keynotes: 2

Time: 13:30-14:30

Location: Auditorium B

**JURE 2021 KEYNOTE: "THE PALE BLUE DOT": LEARNING ACROSS TIME & SPACE****Chair**

Rimma Nyman, University of Gothenburg, Sweden

**"The Pale Blue Dot": Learning across time & space**

Dawn Sanders, University of Gothenburg, Sweden

Session F: 1

Time: 09:00-10:00

Location: Session Room 4

**SINGLE PAPER: COMPETENCIES****Chair**

Hoda Ashjari, University of Gothenburg, Sweden

**Cognitive and non-cognitive factors of academic achievement: the role of soft skills**

Tommaso Feraco, Università degli Studi di Padova, Italy; Dario Resnati, Pentathlon Srl, Italy; Davide Fregonese, Pentathlon Srl, Italy; Chiara Meneghetti, University of Padova, Italy

**How higher education facilitates students' transition to the labor market**

Niels van der Baan, Maastricht University School of Business and Economics, Netherlands; Inken Gast, Maastricht University, Netherlands; Simon Beusaert, Maastricht University, Netherlands; Wim Gijsselaers, Maastricht University, Netherlands

**Examining the Interconnection between Health Literacy and Family Background among Adolescents**

Dominik Pendl, University of Graz, Austria

Session F: 2

Time: 09:00-10:00

Location: Session Room 3

**SINGLE PAPER: COMPUTER-ASSISTED AND MULTIMEDIA LEARNING****Chair**

Prajakt Pande, Roskilde University, Denmark

**Example-Based Learning: Can Closed-Open-Book Prompts enhance Learning Success?**

Niklas Obergassel, Ruhr University Bochum, Germany; Julian Roelle, Ruhr University Bochum, Germany

**Writing Business Letters with „Self-Regulated Strategy Development“ in Secondary Schools**

Winnie-Karen Giera, Institut für Germanistik, University Potsdam (Germany), Germany

**Pedagogical beliefs on the possibilities of developing student's fact-checking skills**

Annamária Ablonczy-Bugris, University of Szeged, Doctoral School of Education, Hungary

Session F: 3

Time: 09:00-10:00

Location: Session Room 6

**SINGLE PAPER: TEACHING AND TEACHER EDUCATION****Chair**

Rimma Nyman, University of Gothenburg, Sweden

**Topic Modeling of Student Contemporary Perceptions of Teaching Behavior: Does It Offer New Insights?**

Bilge Gencoglu, University of Groningen, Netherlands; Michelle Helms-Lorenz, University of Groningen, Netherlands; Ridwan Maulana, GION - University of Groningen, Netherlands; Ellen Jansen, University of Groningen, Netherlands; Oguzhan Gencoglu, Top Data Science, Finland

**Teacher Educators' Perceptions on Flipped Classroom in Teacher Education for EFL Students**

Han Han, Norwegian University of Science and Technology (NTNU), Norway; Fredrik Mørk Røkenes, Norwegian University of Science and Technology (NTNU), Norway

**Effects of mobile eye tracking videos on the perception of classroom management**

Leonie Telgmann, Leibniz University Hannover, Germany; Katharina Mueller, Leibniz University Hannover, Germany; Kathleen Stürmer, University of Tübingen, Germany; Tina Seidel, Technische Universität München, Germany; Kai Cortina, University of Michigan, Germany

Session F: 4

Time: 09:00-10:00

Location: Session Room 2

**SINGLE PAPER: ASSESSMENT METHODS AND TOOLS****Chair**

Panagiota Christodoulou, University of Western Macedonia, Greece

**Degrees of epistemic dialogism in 'high stakes' History curriculum discourse in England**

Siobhan Dickens, University of Cambridge, UK, United Kingdom

**How oral exams in Norwegian secondary schools are carried out and implications for validity**

Marte Sove Syverud, University of South-Eastern Norway, Norway

**Hungarian adaptation of the Five Facet Mindfulness Questionnaire and pilot-study in 10th grade**

Imola Budis, University of Szeged, Doctoral School of Education, Hungary

Session F: 5

Time: 09:00-10:00

Location: Session Room 5

**SINGLE PAPER: EDUCATIONAL POLICY****Chair**

Sally Gutierrez, Far Eastern University, Philippines, Philippines

**Framing student group work in an individual and merit-oriented policy context**

Christine Rendahl Stenersen, University of Southeast Norway, Norway

**Citizenship education and nationalism in Chile: the problematization of immigration**

Rodrigo Velásquez, Pontificia Universidad Católica de Chile, Chile

**Do different selection criteria gain students with different matriculation examination results?**

Jenni Kunnari, University of Oulu, Finland; Jouni Pursiainen, University of Oulu, Finland; Hanni Muukkonen, University of Oulu, Finland

Session F: 6

Time: 09:00-10:00

Location: Session Room 1

**SINGLE PAPER: LANGUAGE (FOREIGN AND SECOND)****Chair**

Mengsi Liu, The University of Tokyo, Japan

**Conceptualizations of democracy and citizenship in curriculum**

Tiril Finnanger, University of South-Eastern Norway, Norway

**Students' attitude towards communication in a foreign language classroom**

Jaroslava Jelinkova, Masaryk University, Czech Republic

**Navigating the digital text landscape: EFL teachers as digital curators**

Marthe Pande-Rolfsen, Norwegian Univ. of Science and Technology, Norway

Session F: 7

Time: 09:00-10:00

Location: Session Room 10

**SINGLE PAPER: MIXED-METHOD RESEARCH****Chair**

Iida Vedenpää, University of Helsinki, Finland

**Exploring university students' ecologies of digital resources in disciplinary learning**

Dan Uehara, University of Oslo, Faculty of Education, Norway; Crina Damsa, University of Oslo, Norway; Lise Henriksen, University of Oslo, Faculty of Education, Norway

**Mapping levels of processing in learning from video: A trace data study followed by a cued recall.**

Marijn Gijsen, University of Antwerp, Belgium; Leen Catrysse, Open Universiteit Nederland, Netherlands; Sven De Maeyer, Antwerp University, Belgium; David Gijbels, University of Antwerp, Belgium

Session G: 1

Time: 10:15-11:15

Location: Session Room 4

**POSTER PRESENTATION: ATTITUDES, BELIEFS AND MOTIVATION****Chair**

Jolan Hanssens, KU LEUVEN, Belgium

**How Do Mathematics Motivations Explain Attainment of a Mathematical or Life Science Degree?**

Lili Toh, University of Sydney, Australia; Helen Watt, The University of Sydney, Australia

**Preschool Teachers' Beliefs about the Emotional Development of Preschool Children**

Ana Fernandes, CIE - ISPA, Portugal; Lourdes Mata, CIE - ISPA, Portugal; Francisco Peixoto, ISPA - Instituto Universitário / CIE - ISPA, Portugal

**Attitudes, Interests, Motivation and Cognitive learning strategy use for Physics learning in Uganda**

Diana Kwarikunda, Universität Potsdam, Germany; Ulrich Schiefele, Universität Potsdam, Germany; Joseph Ssenyonga, Universität Konstanz, Germany; Charles Muwonge, Mbarara University of Science and technology, Uganda

**Supporting adaptive reactions to failure feedback: examining the role of a self talk intervention**

Helena Laudel, Dresden Technical University, Germany; Maria Neumann, Dresden University of Technology, Germany; Susanne Narciss, TU Dresden, Germany

Session G: 2

Time: 10:15-11:15

Location: Session Room 1

## POSTER PRESENTATION: ASSESSMENT METHODS AND TOOLS

## Chair

Daniel Mann, University of Bamberg (Otto-Friedrich-Universität Bamberg), Germany

**YouTube as a Trustworthy Confidant? A Closer Look at Educational Channels**

Stefan Siegel, University of Augsburg, Germany; Sebastian Streitberger, University of Augsburg, Germany

**How can we statistically gauge students' deep understanding from high school regular tests?**

Shun Saso, The University of Tokyo, Japan; Motonori Oka, The University of Tokyo, Japan; Yuri Uesaka, The University of Tokyo, Japan

**Assessment of Mathematical Creative Thinking Using Ethnomathematics Content**

Suherman Suherman, University of Szeged, Doctoral School of Education, Hungary; Tibor Vidákovich, University of Szeged, Hungary

**From laboratory to classroom: Assessing attention using mobile electroencephalography devices**

Nathalie John, DIPF | Leibniz Institute for Research and Information in Education, Germany; Franziska Baier-Mosch, Goethe-Universität Frankfurt, Germany; Sebastian Korinth, German Institute for International Educational Research (DIPF), Germany; Mareike Kunter, DIPF | Leibniz Institute for Research and Information in Education, Germany

**The relationship between self-efficacy and mindfulness in the case of 10th grade hungarian students**

Imola Budis, University of Szeged, Doctoral School of Education, Hungary

Session G: 3

Time: 10:15-11:15

Location: Session Room 3

## POSTER PRESENTATION: LANGUAGE AND READING COMPREHENSION

## Chair

saif Mohammed, University of Szeged, Doctoral School of Education, Hungary

**The Implementation of Cultural Learning in Austrian Lower Secondary English Classrooms**

Jasmin Peskoller, University of Innsbruck, Austria, Austria

**Vocabulary and oral narrative skills in monolingual and bilingual language minority children**

Giulia Vettori, University of Florence, Italy; Oriana Incognito, University of Florence, Italy

**Unraveling learners' cognitive and emotional processes in texts: A psychophysiological perspective**

Yilun Jheng, University of Antwerp, Belgium; Leen Catrysse, Open Universiteit Nederland, Netherlands; Karolien Poels, University of Antwerp, Belgium; David Gijbels, University of Antwerp, Belgium

**Executive Functions empowerment during dialogic reading in preschoolers**

Costanza Ruffini, University of Florence, Italy; Silvia Spoglianti, ParoleinCerchio, Centro per l'Età Evolutiva, Italy; Clara Bombonato, University of Florence, Italy; Silvia Bonetti, Equipe Multiprofessionale Evolutiva, Italy; Maria Chiara Di Lieto, Fondazione IRCCS Stella Maris, Italy; Chiara Pecini, University of Florence, Italy

Session G: 4

Time: 10:15-11:15

Location: Session Room 10

## POSTER PRESENTATION: ASSESSMENT AND EVALUATION

## Chair

Rhiannon Moore, University of Bristol, United Kingdom

**Assessing Self-regulated Learning – Validation of a Strategy Interview for Primary School Students**

Bernadette van Berk, German Institute for International Educational Research (DIPF); IDeA-Research Center, Germany; Charlotte Dignath, DIPF Leibniz Institute for Education Research Frankfurt, Germany

**Measuring knowledge of historical reasoning and how to teach it in an elementary school PD-programme**

Yolande Potjer, University of Amsterdam, Netherlands; Marjolein Dobber, Vrije Universiteit Amsterdam, Netherlands; Carla Van Boxtel, University of Amsterdam, Netherlands

**MEDIATION OF ENGAGEMENT BETWEEN CLASSROOM CLIMATE AND STUDENTS' OUTCOMES IN KAZAKHSTAN**

Aigul Akhmetova, University of Szeged, Doctoral School of Education, Hungary; Gaysha Imambayeva, Innovative Eurasian University, Kazakhstan; Benő Csapó, University of Szeged, Hungary

**Students' track recommendation, and performance development in primary and secondary education.**

Anne van Leest, Utrecht University, Netherlands; Lisette Hornstra, Utrecht University, Netherlands; Jan van Tartwijk, Utrecht University, Netherlands; Janneke van de Pol, Utrecht University, Netherlands

Session G: 5

Time: 10:15-11:15

Location: Session Room 7

## POSTER PRESENTATION: ATTITUDES AND BELIEFS IN TEACHER PROFESSIONAL DEVELOPMENT

## Chair

Mengsi Liu, The University of Tokyo, Japan

**Mentoring Novice Teachers: Effects on Self-Efficacy, Emotion Work, and the Role of Mentees' Beliefs**

Julian Burger, Johannes Gutenberg-Universitaet, Germany

**Verification of a Standardized Instrument Recording Profession-Specific Competencies of Mentors**

Bettina Gautel, Gottfried Wilhelm Leibniz Universität Hannover, Germany; Katharina Mueller, Leibniz University Hannover, Germany

**Teachers' epistemic cognition and work-related wellbeing**

Iida Vedenpää, University of Helsinki, Finland

**Physics Teachers' Beliefs of Students' Interest and Talent - A qualitative Study**

Verena Auer, University of Salzburg, Austria

Session G: 6

Time: 10:15-11:15

Location: Session Room 9

## POSTER PRESENTATION: METACOGNITION AND SOCIAL INTERACTION

## Chair

Julia Kantreiter, University of Augsburg, Germany

**Do Rubrics Enhance Self-Assessment Accuracy?**

Rebecca Krebs, Ruhr-University Bochum, Germany; Julian Roelle, Ruhr University Bochum, Germany; Björn Rothstein, Ruhr-University Bochum, Germany

**How is Teachers' Professional Competence Linked to Their Promotion of Self-Regulated Learning?**

Antonia Fischer, German Institute for International Educational Research (DIPF), Germany; Charlotte Dignath, DIPF Leibniz Institute for Education Research Frankfurt, Germany

**Patterns of Socio-emotional and Cognitive Participation for Regulation in Collaborative Learning**

Eija Vuorenmaa, University of Oulu, Finland, Finland; Sanna Järvelä, University of Oulu, Finland; Muhterem Dindar, University of Oulu, Finland; Hanna Jarvenoja, University of Oulu, Finland

**Social Network Perspective on Knowledge Sharing: A Systematic Review**

Sofie Vermeiren, University Antwerp, Belgium; Eva Kyndt, University of Antwerp, Belgium; David Gijbels, University of Antwerp, Belgium

Session H: 1

Time: 11:30-12:30

Location: Session Room 3

## SINGLE PAPER: HIGHER EDUCATION

## Chair

Winnie-Karen Giera, Institut für Germanistik, University Potsdam (Germany), Germany

**University students' remote learning experiences, motivation and well-being during Covid-19 pandemic**

Henriikka Juntunen, University of Helsinki, Finland; Heta Tuominen, University of Turku, Finland; Jaana Viljaranta, University of Eastern Finland, Finland; Riikka Hirvonen, University of Eastern Finland, Finland; Auli Toom, University of Helsinki, Finland; Markku Niemivirta, University of Eastern Finland, Finland

**Emotional support and the effects on well-being in teacher training: A longitudinal approach**

Anna Hartl, Technical University Munich, Germany; Doris Holzberger, Technical University of Munich (TUM), Germany; Kristin Wolf, German Institute for International Educational Research (DIPF), Germany

**Caught Between Relief and Unease. University Students' Well-being and Resilience During COVID-19**

Lisa Kiltz, University of Groningen, Netherlands; Marjon Fokkens-Bruinsma, University of Groningen, Netherlands; Ellen Jansen, University of Groningen, Netherlands

Session H: 2

Time: 11:30-12:30

Location: Session Room 9

**SINGLE PAPER: COLLABORATIVE LEARNING****Chair**

Sarah Straub, University of Vienna - Centre for Teacher Education, Austria

**Linking higher education students' self-efficacy beliefs and participation in group level regulation**

Sara Ahola, University of Oulu, Finland, Finland; Jonna Malmberg, University of Oulu, Finland; Hanna Jarvenoja, University of Oulu, Finland

**How multiple levels of metacognitive awareness operates in collaborative problem solving**

Ahsen Çini, University of Oulu, Finland; Sanna Järvelä, University of Oulu, Finland; Jonna Malmberg, University of Oulu, Finland; Muhterem Dindar, University of Oulu, Finland

**Collective artifacts in co-construction process: Moving from "I" to "We"**

Niina Halonen, University of Helsinki, Finland

Session H: 3

Time: 11:30-12:30

Location: Session Room 8

**SINGLE PAPER: TEACHER PROFESSIONAL DEVELOPMENT****Chair**

Xiangyuan Feng, University of Groningen, Netherlands

**The Significance of Teacher Enthusiasm and Teacher Interest for the Quality of Lesson Planning**

Julia Kantreiter, University of Augsburg, Germany

**Developing teachers' social and emotional learning - are workshops useful?**

Minna Berg, University of Helsinki, Finland; Markus Talvio, University of Helsinki, Finland; Taru Lintunen, University of Jyväskylä, Finland; Kirsti Lonka, University of Helsinki, Finland

Session H: 4

Time: 11:30-12:30

Location: Session Room 10

**SINGLE PAPER: METACOGNITION AND SELF-REGULATION****Chair**

Amine Merve Ercan, Middle East Technical University, Turkey

**In-class Implementation of Self-Regulated Learning practices following Unique Authentic Experiences**

Orna Heaysman, School of Education, Bar-Ilan University, Israel; Bracha Kramarski, Bar-Ilan University, Israel

**Primary School Students' Awareness of their Monitoring and Regulation Accuracy**

Sophie Oudman, Utrecht University, Netherlands; Janneke van de Pol, Utrecht University, Netherlands; Tamara Van Gog, Utrecht University, Netherlands

**How to improve learners' accuracy in judging self-generated examples**

Linda Froese, Ruhr University Bochum, Germany; Julian Roelle, Ruhr University Bochum, Germany

Session H: 5

Time: 11:30-12:30

Location: Session Room 7

**SINGLE PAPER: QUANTITATIVE AND QUALITATIVE METHODS****Chair**

Funda Kelahmetoğlu Tunçer, Middle East Technical University, Turkey

**National Identity and Sense of Belonging of Students in Germany with Immigration Backgrounds**

Beatriz Matafora, University Duisburg-Essen, Germany; Hermann J. Abs, University of Duisburg-Essen, Germany; Katrin Hahn-Laudenberg, University of Wuppertal, Germany

**Nudging Autonomous Learning Behavior: How Do Teachers in Vocational Education Nudge their Students?**

Robert Weijers, Erasmus University Rotterdam, Netherlands; Björn de Koning, Erasmus University Rotterdam, Netherlands; Ellen Klatter, Hogeschool Rotterdam, Netherlands; Fred Paas, Erasmus University Rotterdam/University of Wollongong, Netherlands

**Capturing equity. Educational equity in secondary analyses on ILSAs: a systematic review**

Lies Appels, University of Antwerp, Belgium; Sven De Maeyer, Antwerp University, Belgium; Jerich Faddar, University of Antwerp, Belgium; Peter Van Petegem, University of Antwerp, Belgium

Session H: 6

Time: 11:30-12:30

Location: Session Room 2

**SINGLE PAPER: LITERACY****Chair**

Belinda Merkle, University of Mannheim, Germany

**Exploring the role of the emotional process in feedback contexts at the university**

Matthieu Hausman, ULiège, Belgium; Dominique Verpoorten, ULiège, Belgium; Pascal Detroz, ULiège, Belgium

**Unfolding joy in Finnish ECE: A new materialist investigation into affect during a Storybook project**

Alexandra Nordström, University of Helsinki, Finland; Kristiina Kumpulainen, University of Helsinki, Finland; Antti Rajala, University of Helsinki, Finland

**Reading circles: Knowledge co-construction with learners of English as a Second Language**

Madeleine Strobel, University of Glasgow, UK, Sweden

Session H: 7

Time: 11:30-12:30

Location: Session Room 1

**SINGLE PAPER: SELF-REGULATION****Chair**

Hannah Bijlsma, University of Twente, Netherlands

**Developmental Differences in Vocabulary Learning Strategy at Secondary Education Level**

Nao Uchida, The University of Tokyo, Japan

**Does feedback on students' diagramming affect monitoring accuracy of their text comprehension?**

Sophia Braumann, University Utrecht, Netherlands; Janneke van de Pol, Utrecht University, Netherlands; Héctor J. Pijeira-Díaz, Maastricht University, Netherlands; Ellen Kok, Utrecht University, Netherlands; Anique de Bruin, Maastricht University, Netherlands; Tamara Van Gog, Utrecht University, Netherlands

**Individual & collaborative self-regulatory support: peer assessment & video feedback in an EFL task**

Rebecca CLAYTON BERNARD, IMT Atlantique, France

Session H: 8

Time: 11:30-12:30

Location: Session Room 4

**SINGLE PAPER: MATHEMATICS, NUMERACY AND PROBLEM SOLVING****Chair**

Agnes Cichy, University of Regensburg, Germany

**A conceptual framework of concreteness for aligning multiple representation of varying concreteness**

Xiaoshan Huang, University of Turku, Department of Teacher Education, Finland; Tomi Jaakkola, Tampere University, Finland; Koen Veermans, University of Turku, Finland

**Physical Activity, Motor skills, Executive Functions and Early Numeracy in Preschoolers**

Anssi Vanhala, University of Helsinki, Finland; Eero Haapala, University of Jyväskylä, Faculty of Sport and Health Sciences, Finland; Arja Sääkkslahti, University of Jyväskylä, Faculty of Sport and Health Sciences, Finland; Airi Hakkarainen, University of Helsinki, Finland; Pirjo Aunio, University of Helsinki, Finland

**The Physiological and Neural Mechanisms of Learning through Productive Failure**

Cléa Formaz, ETH Zurich, Switzerland

Workshops II: 1

Time: 13:30-14:30

Location: Session Room 2

**JURE 2021 WORKSHOP: WRITING PEER REVIEWS OF RESEARCH ARTICLES****Writing peer reviews of research articles**

Ola Helenius, University of Gothenburg, Sweden

Workshops II: 2

Time: 13:30-14:30

Location: Session Room 6

**JURE 2021 WORKSHOP: GROUNDED THEORY: CODING PROCEDURES AND CONSTRUCTION OF THEORY****Grounded Theory: Coding procedures and construction of theory**

Kathrin Berdelmann, German Institute for International Educational Research (DIPF), Germany



Workshops II: 3

Time: 13:30-14:30

Location: Session Room 5

**JURE 2021 WORKSHOP: VARIATION THEORY OF LEARNING: WHAT IS DIFFERENT AND WHAT IS THE SAME?**

**Variation Theory of Learning: What is different and what is the same?**  
Hanan Innabi, Göteborg University, Sweden

Workshops II: 4

Time: 13:30-14:30

Location: Session Room 1

**JURE 2021 WORKSHOP: INTRODUCTION TO MIXED METHODS**

**Introduction to Mixed methods**  
Lisbeth M Brevik, University of Oslo, Norway