

**EL@RA CONFERENCE**  
**“Technologies and Techniques to Support Sustainable  
 Education in the Academic Sphere”**

**PEDAGOGY 5.0 –**  
**creativity, entrepreneurship, flexibility  
 and thinking outside the box**

Organizers: Technical University of Sofia, Technological University Dublin,  
 Universitatea Tehnică din Cluj-Napoca & United Nations Institute for Training and  
 Research (UNITAR)

Dates: 14, 15 & 16 December 2023

Venue: *Technical University of Sofia*

Mode: *Hybrid*

- *On-site (at the Conference Hall of the Library and Information Centre (LIC), Block 2, TU – Sofia (Day 1), and the National Centre for Mechatronics and Clean Technologies, Block 8, Prof. Tsvetan Lazarov Hall (the Friday Exhibition and the Social event).*

- *Online (on ZOOM)*

**Join Zoom Meeting**

<https://us06web.zoom.us/j/5216594679?pwd=dGUwaEVtTk9mZTczVFE1MFZrTVRGZz09&omn=81319800486>

Meeting ID: 521 659 4679

Passcode: NxCjs9

**ALL TIMES ARE IN CENTRAL EUROPEAN TIME (CET)**

**Day One: 14 December, Thursday**

**8:45 CET – ONLINE REGISTRATION**

<b>9:15</b>	Prof. Eng. PhD Lidia Galabova, Vice-Rector International Activities and Integration, TUS	Welcome Address
<b>9:30</b>	T. Todorov, Assoc. Prof. I. Peev, Assoc. Prof. Veselin Chantov, Assoc. Prof. Vessela Slavova	Presentation of the ELaRA Conference Proceedings

<b>10:00</b>	Dr Olga Vindača – Riga TU	Transformative Digital Pedagogies for Higher Education
<b>10:15</b>	Fabian Natalia Miriam, MA Student, UTCN	New Directions in Inclusive Education – Promoting Inclusive Practices
<b>10:30</b>	Iliya Boyarov, PhD Student National Academy of Art	New Challenges Face Pedagogy. The Impact of Smart Technologies on Art Education.
<b>10:45</b>	<b>COFFEE BREAK</b>	
<b>11:00</b>	Intesar Madi; Abrar Alzankawi; Anna Zherdeva; Dr Lucía Morales; Ozeias da Rocha TU - Dublin	Educating for Sustainability at Technological University Dublin – an Active Student Voice Matters
<b>11:15</b>	Anastasiya Salabasheva, PhD Student, TUS	Generation Alpha – Understanding and Meeting the Students of Tomorrow
<b>11:30</b>	Assoc. Prof. Yoanna Pavlova, TUS	Gamification of Teaching and Learning in Science: a Method for Active Involvement of Learners

## Keynote Speakers & Panel Discussion

**12:00 – 13:30 Speakers: Dr Jon-Hans Coetzer, Dr Murat Gulmez, Mr John O’Connor – Theme: “The Transformative Impact of Technology on Society”**  
**Moderator: Dr Lucía Morales**

**13:30 – 14:15 – LUNCH BREAK**

<b>14:15</b>	Paul Kosempel, PhD Fulbright Scholar, TU-Dublin	Intentional Emergence Pedagogy for Sustainable Development
<b>14:30</b>	Anna Zherdeva, Dr Deirdre MacQuillan and Dr Lucía Morales, TU-Dublin	SMEs Productivity amidst Geo-economic Challenges: the Catalyst of Sustainability Education – the Case of a Small Open Economy".
<b>14:45</b>	Ozéias Rodrigues da Rocha, Dr Lucía Morales, TU-Dublin and Dr Jon-Hans Coetzer, UNITAR	Reframing Technological Innovation in Education for Industry 5.0: A “Milky Way” towards Sustainable Futures.
<b>15:00</b>	Odette Gabaudan, Lecturer, TU-Dublin	Lost in transition: Are We Ready for Digital Language Teaching 5.0? The Case of #LanguagesPathways in Mozilla Hubs
<b>15:15</b>	Diana Borimechkova, Lecturer and a PhD Student, National Defence College	Advantages of WebQuest for the Foreign Language Training

15:30	Assoc. Prof. Sonia Munteanu, TUCN	How Students Perceive Collaborative Project Work for ESP Learning – Challenges of Turning Theory into Practice
15:45	<b>COFFEE BREAK</b>	
16:00	Assoc. Prof. Valentina Georgieva, National Defence College, and Aigul Yessengeldinova, PhD Student, Kazakhstan	Teaching ESP at Different Educational Contexts in Bulgaria and Kazakhstan (a Contrastive Study)
16:15	Assoc. Prof. Boryana Georgieva, TUS	Creativity and Design
16:30	Elena Antonova, PhD Student, TUS	Learning By Teaching: the Perspective of an Assistant Professor & PhD Student

**17:00 – Exhibition Opening “Christmas Lights” by Zinaida Zhelyazova, “Techne” Gallery, Library and Information Centre (LIC), Block 2, TU – Sofia**

### Day Two: 15 December, Friday

9:00	Prof. Eng. D. Ivanova, PhD, Dean of the Faculty of Applied Mathematics and Informatics, TUS	Pedagogy for Education 5.0 – Challenges, Trends and Opportunities
9:15	Dr Maximilian Döhner, TUS	Artificial Intelligence in Foreign Language Teaching
9:30	Todora Yaneva, DFLAL	AI: The Teachers Strike Back
09:45	Assoc. Prof. Kalina Belcheva, TUS	Learners as Digital Content Creators in Educational Settings
10:00	Dr Duygu Gur, Çağ University, Turkey	Entrepreneurship and Marketing Education in the Metaverse: Unlocking the Potential for Innovative Learning Environments
10:15	Dr Lia Pop et al. EL@RA Team – EUt+	Pedagogy in 5.0 Age... Or Education to Navigate Global Dynamics, Trends and Challenges
10:30	<b>COFFEE BREAK</b>	
10:45	Dr Elis Kakoulli Constantinou, CUT	English for Specific Purposes in Higher Education: Integrating Entrepreneurial and Sustainability-Oriented Approaches

11:00	Tatyana Stahova, PhD Student, Sofia University	Trends in Contemporary Book Illustration and Their Implementation in the Learning Process with Fine Arts University Students
11:15	Velina Draganova, TUS	Developing Listening Skills in Foreign Language Learning
11:30	Assoc. Prof. Sofia Anguelova, TUS	Infographics in Design Education
11:45	Assoc. Prof. Mihaela Gadjeva, TUS	Methodology for Obtaining Complex Colour Tones in Colour Science Education (Методика за получаване на сложни цветни тонове в обучението по цветознание)

## Keynote Speakers & Panel Discussion

12:00 – 13:30 Speakers: Dr Gerard Colleran, Mr Olegs Tucs, Ms Alexandra Severino – Theme: “Education & Health”  
Moderator: Dr Jon-Hans Coetzer

### 13:30 – 14:15 LUNCH BREAK

14:15	Lorena Peculea, Lecturer, TUCN	Designing a Problem-Based Expertise Sharing Model for Developing Transversal Competencies in Engineering Students
14:30	Eng. Ventsislav Nachev, TUS	Remote Lab for Robotics Education
14:45	Swaralipi Roy Chowdhury Samanta, MSc, Tallin University, CUT; Dr Maria Victoria Soule, CUT	Transforming Education in West Bengal: Interactive Learning's Impact on First-Generation Learners
15:00	Beagon, U., Jani, R., Mc Kennedy, J., Morgan, M., Henry, R., Bowe, B, TU-Dublin	The PROFESS 12 Summer School – A pilot project to improve engineering students' understanding of SDG 12.
15:30	Dr Lingjie Liu, National Academy of Art	Methods for Developing Creative Thinking in Art Therapeutic Programs for Children in Early School Age
15:45	Dr Milka Hadjikotaeva, NBU	The Impact of Technology on Academic Foreign Language Education
16:00	Ivan Ginchev, MA Student, TUS	The Methodology of Dual Training and its Integration into Universities (Методиката на дуалното обучение и интегрирането и в университетите)
16:15	Radoslava Georgiva, MA student, TUS	Educating Children with Autism Spectrum Disorder (Обучение на деца със СОП от аутистичния спектър)

16:30	Guljan Karaosman, MA Student, TUS	Pedagogical Approaches in the Presence of Violence against Children in School
16:45	Ivan Ludzhov, MA Student TUS	The Circular Pedagogy Experiment – a Pedagogical Design (Експериментът "Кръгова педагогика"- педагогически дизайн)

**17:00 – Exhibition Opening “ECHO Industrial 5.0” by “Group 9” Association of Woodcarving Artists, the National Centre for Mechatronics and Clean Technologies, Block 8, TU – Sofia.**

**17:30 – SOCIAL EVENT**

### Day Three: 16 December, Saturday

10:00	Vessela Frengova, TUS	Integrating the 6 Cs of the 21st Century Education into “Communicating Science and Culture (or Chat GBLE)” Blended Intensive Program - A Case Study
10:15	Todor Todorov, TUS	Fostering Inclusive Learning Environment in the EFL Classroom – Challenges and Opportunities
10:30	Marin Marinov, TUS	Electronic Circuit Simulation Programmes and Methods for Working with Them (Програми за симулация на електронни схеми и методи за работа с тях)
10:45	Assoc. Prof. Maya Chipeva, TUS	Stress and Burnout Syndrome in the Context of Sport Coach Professional Practice (Стрес и бърнаут синдром в контекста на професионалната практика на спортния треньор)
11:00	Assoc. Prof. Ivaylo Peev, TUS	The 5-th Element of the New Pedagogy – Emotional Intelligence and Pedagogical Interaction (Петият елемент на Новата педагогика – емоционална интелигентност и педагогическо взаимодействие)
11:15	Asst. Prof. Dr. Teodora Pesheva, TUS	Exploring learning opportunities through innovative visual and textual models (Изследване на възможностите за обучение чрез иновативни визуални и текстови модели)
11:30	Victoria Tsvetanova, TUS	The Teacher of the New Time (Преподавателят на новото време)

## Research Event Conclusion

3rd EL@RA Research Event

Conference Proceedings

Special Issue

Dr Ivaylo Peev, Todor Todorov, Dr Lia Pop and Dr Lucía Morales