

ON  
LINE

10 November 2023 – 9.30 am/6.00 pm Italian time  
11 November 2023 – 9.15 am/1.30 pm Italian time  
**International Conference**

## SCHOOL<sup>4</sup>THINKING & JUDGING - III Edition

### Fostering a Critical Relationship with AI Technologies in Primary School. The Role of Aesthetic Experiences

The massive global diffusion of “radical” technologies (AITs) permeates daily life, bringing enormous potential but at the same time opening wide problematic spaces. AITs contribute, in fact, to generating and exacerbating complex phenomena such as hyper-connection, acceleration of social life, homologation, unique thought, synchronization and de-responsibilisation of consciences. The complexity of the current relationship between human beings and the latest technologies, powered by Artificial Intelligence is therefore undeniable. At the same time, it should not be forgotten that technology – in the form of the stick, stone, graphic tools – was the means by which human beings originally initiated and cultivated an extraordinary process of humanisation of themselves and the creative world.

Despite the fact that this original humanising function is still potentially quite alive, the evolution of technologies places in the foreground not only the current problems of homologation, but also real future risks. These risks are associated with the ever more unlimited power of the human being to use technologies for the destruction of the self and nature as well as for the indiscriminate overcoming of the boundaries of the human condition.

There follows an important and urgent need for new approaches to education that from primary school onwards, cultivate those particular human qualities of thought and judgement necessary for the critical, creative and ethical orientation of the new AITs, so that they will present enhanced opportunities for self-humanisation rather than degradation and enfeeblement of humankind.

These new approaches can find particularly promising opportunities in aesthetic experiences. In fact, the experiences of aesthetic quality – the experiences of visual art, literary, physical, musical, and so on – exercise in children the capacity to think and feel the experience in a comprehensive and integral, critical and creative way. They allow them to reconstruct the full sense of experience, valuing aspects of diversity and divergence. They do so by promoting unique and individual processes of problematizing and creative discernment and deliberation, enhancing the children’s agency and the promoting the beginning of a new, revolutionary thought.

#### Conference Language

English.  
With Italian, Romanian and Spanish subtitles

#### Registration

Free  
**Contact E-Mail**  
school4thinking@unito.it

**Registration Deadline** 5.11.2023  
Link: <https://unito.webex.com/meet/emanuela.guarcello>

#### Conference Registration

[https://docs.google.com/forms/d/1qVc0t01l\\_aB-py4k19FQH-GPoopz6HWk5VcEVsT1sqks/viewform?edit\\_requested=true](https://docs.google.com/forms/d/1qVc0t01l_aB-py4k19FQH-GPoopz6HWk5VcEVsT1sqks/viewform?edit_requested=true)  
**Access to the conference granted ONLY to registered participants**

A certificate of attendance will be issued to the participants

#### Q-R Code:

A maximum of 500 participants will be admitted



**10 NOVEMBER 2023**

LINK <https://unito.webex.com/meet/emanuela.guarcello>

9.30/11.15  
Italian time

PLENARY ROOM

## Welcome and Preliminary Thoughts

**Barbara Bruschi** (Vice-Rector for Education, University of Turin)  
**Camil Mihaescu** (Director of Design and Applied Arts Department, Fine Art and Design Faculty, West University of Timișoara)  
**Victoria de Rijke** (Education’s Research Director with CERS Center for Education Research and Scholarship, Middlesex University, London)  
**Graziano Lingua** (Director of Philosophy and Education Sciences Department, University of Turin)  
**Cristiano Giorda** (President of the Degree Course in Childhood and Primary Teachers Education, University of Turin)

### VISION: REASONS WHY

#### The Reasons for a Critical Relationship with AI Technologies in Primary School

**Presenter: Emanuela Guarcello** (University of Turin)

#### Speakers

**Sara Nosari** (University of Turin)

The “composed” act of transformation: the case of AI

**Abele Longo** (Middlesex University, London)

The dystopian threat of AI in primary education:

looking towards a utopian postdigital ecopedagogy

**Federico Farini** (University of Northampton)

**Angela Scollan** (Middlesex University, London)

Leading engagement and learning in, out and between digital and non-digital environments. Hybrid-transitions as a space for children’s agency

**Michael Creane**

(College of the Holy Cross, Worcester, Massachusetts)

New kid on the block: young children’s reasoning about Artificial Intelligence and personal disclosure

**11.15–11.30 am Italian time**  
Coffee break

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11.30/1.30  
Italian time

PLENARY ROOM

### VISION: FORMATIVE SPACES

#### The Aesthetic Experience in Primary School

**Presenter: Abele Longo** (Middlesex University, London)

#### Speakers

**Teresa Giovanazzi** (Free University of Bozen)

Fostering a critical relationship with AI: from reasoning to co-constructing a common ethical perspective

**Children From the Schools Involved in the Project**

(Midfield Primary School, Orpington/London; Ugo Foscolo School, Turin; David Bertrand School, Piossasco/Turin)

Reasoning and deliberating about AI: the Ethical Charter written by the children

**Emanuela Guarcello** (University of Turin)

Aesthetic experiences in primary school: educational meaning and role in fostering a critical relationship with AI

**1.30–2.30 pm Italian time**  
Lunch Break

2.30/4.30  
Italian time

PARALLEL  
SESSIONS

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## DISCUSSION PANELS

### Aesthetic Experiences as Formative Spaces

#### Aesthetic Fields Related to AI

##### ROOM 1

#### AI and Narrative, Visual and Photographic Arts

**Chair:** **Abele Longo** (Middlesex University, London)

#### Speakers

**Victoria de Rijke** (Middlesex University, London)

Reader-Gatherers: new forms of agential children's literature

**Giuseppe Previtali** (University of Bergamo), **Giancarlo Grossi** (University of Milan)

Towards a Postmedia Literacy: AI Photographic Filters, Education, and Self-Representation

**Cristina Daju, Smaranda Moldovan** (West University of Timișoara)

Educating through creativity in the view of the development of critical thinking

**Bogdan Stefan Matei** (West University of Timișoara)

The use of Artificial Intelligence in various artistic researches on the problematization of physical space in relation to virtual space as a platform for education

**Francesca Pileggi** (University of Turin)

Promoting critical thinking and creativity through visual aesthetic experience: a systematic review of training projects using visual art made with AITech in elementary schools

##### ROOM 2

#### AI, Games and Robotics

**Chair:** **Roberto Francesco Scalon** (University of Turin)

#### Speakers

**Renato Grimaldi, Sandro Brignone, Silvia Palmieri**

(Gallino Lab, University of Turin)

The social robot Nao as an Intelligent Tutoring Robot: conducting the TCR test in primary school

**Giacomo Como** (Polytechnic University of Turin)

SMaLE-App: a mobile game application to teach the principles of Artificial Intelligence to the Z-generation

**Andrea Loreggia** (University of Brescia)

AI and Robotics in Education: Catalysts and Complexities

**Amedeo Gianì** (University of Turin)

Movement and simulation: rethinking children's play

##### ROOM 3

#### AI and Teacher Training

**Chair:** **Angela Scollan** (Middlesex University, London)

#### Speakers

**Manuela Repetto, Melania Talarico** (University of Turin)

The design of a curriculum on artificial intelligence technologies for primary school

**Adelaide Gallina** (University of Turin)

Artificial Intelligence and new perspectives for teaching/learning processes

**Radu Uszkai** (University of Bucharest)

Educators-in-the-loop: fostering intellectual and ethical virtues in the age of Artificial Intelligence

**Carolina Santillan Torres** (UNAM University of Mexico)

The Virtual Reality research on educational contexts in Mexico

4.30/6.00  
Italian time

PLENARY ROOM

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## CAIRε International Research Project. The Overview

### An Aesthetic Experience to Foster a Critical Relationship with AI Technologies

**Presenter:** **Sara Nosari** (University of Turin)

#### Speakers

**Emanuela Guarcello** (University of Turin)

School children and AITech: research frame and CAIRε formative model

**Cristina Daju** (West University of Timișoara)

Virtual exhibitions, art and critical thinking

**Giada Maria Barrella** (University of Turin)

"CAIRε. Exploring AI Adventure". An educational virtual exhibition

**Giorgio Borla, Antonio Falco** (LIFE Lab, University of Turin)

CAIRε future perspectives. Immersive environments for promoting Child-AI Relationship

**Sara Nosari** (University of Turin), **Camil Mihaescu** (West University of Timișoara)

Exhibit ribbon cutting

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## CAIRε International Research Project. The Formative Practices

### Schools' Experiences

**Presenter:** **Abele Longo** (Middlesex University, London)

#### Speakers

**Cosimo Di Bari** (University of Florence)

Media education for innovating formative practices

**Emanuela Guarcello** (University of Turin)

Contemplative and applied aesthetic experiences in primary schools

**Selena Notaro** (University of Turin)

Evaluation and formative outcomes

**Cristina Daju** (West University of Timișoara)

The Romanian Experience

11.00–11.15 am Italian time  
Coffee break

11.15/1.30  
Italian time

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## CAIRε International Research Project. The Formative Practices

### Schools' Experiences

**Presenter:** **Emanuela Guarcello** (University of Turin)

#### Speakers

**Antonella Castagno, Alessandra Cordero** (Ugo Foscolo School, Turin)

The Italian Experience

**Abele Longo** (Middlesex University, London),

**Miguel Santillan** (Midfield Primary School, Orpington/London)

The English Experience

**Giada Maria Barrella** (University of Turin)

The virtual exhibition "CAIRε. Exploring the AI Adventure".

Proposals for formative activities in class

**Giorgio Borla, Antonio Falco** (LIFE Lab, University of Turin)

The immersive experience

# SPEAKERS CHAIRS

**Giada Maria Barrella** (Museum Curator, Museum of Illusions of Florence)

**Giorgio Borla** (Research Technician, University of Turin)

**Sandro Brignone** (Research Fellow, University of Turin)

**Antonella Castagno** (Teacher, Ugo Foscolo School of Turin)

**Giacomo Como** (Professor, Polytechnic of Turin)

**Alessandra Cordero** (Teacher, Ugo Foscolo School of Turin)

**Michael Creane** (Researcher, University of Connecticut)

**Cristina Daju** (Senior Lecturer, West University of Timișoara)

**Victoria de Rijke** (Professor, Middlesex University, London)

**Cosimo Di Bari** (Researcher, University of Florence)

**Antonio Falco** (Research Technician, University of Turin)

**Federico Farini** (Professor, University of Northampton)

**Adelaide Gallina** (Associate Professor, University of Turin)

**Amedeo Giani** (PHD Student, University of Turin)

**Teresa Giovanazzi** (Research Assistant, Free University of Bozen)

**Renato Grimaldi** (Emeritus Professor, University of Turin)

**Giancarlo Grossi** (Adjunct Professor, University of Milan)

**Emanuela Guarcello** (Senior Lecturer, University of Turin)

**Scientific Direction:** Emanuela Guarcello

**Scientific Committee:** Emanuela Guarcello, Abele Longo, Sara Nosari

**Organizing Committee:** Emanuela Guarcello, Abele Longo, Sara Nosari, Amedeo Giani, Francesca Pileggi

**Tutors Team:** Giada Maria Barrella, Amedeo Giani, Francesca Pileggi, Cristina Portesani

**Abele Longo** (Senior Lecturer, Middlesex University, London)

**Andrea Loreggia** (Assistant Professor, University of Brescia)

**Bogdan Stefan Matei** (Research Assistant, West University of Timișoara)

**Smaranda Moldovan** (Assistant Professor, West University of Timișoara)

**Sara Nosari** (Professor, University of Turin)

**Selena Notaro** (PHD Student, University of Turin)

**Silvia Palmieri** (PHD Student, University of Turin)

**Francesca Pileggi** (PHD Student, University of Turin)

**Giuseppe Previtali** (Research Fellow, University of Bergamo)

**Manuela Repetto** (Associate Professor, University of Turin)

**Miguel Santillan** (Teacher, Midfield Primary School, Orpington/London)

**Carolina Santillan Torres** (Supervisora Académica, UNAM University of Mexico)

**Angela Scollan** (Associate Professor, Middlesex University, London)

**Roberto Francesco Scalon** (Associate Professor, University of Turin)

**Melania Talarico** (Research Fellow, University of Turin)

**Radu Uszkai** (Assistant Professor, Bucharest University of Economic Studies; Researcher, University of Bucharest)