

MAT&L
MATHEMATICS TEACHING & LEARNING
RESEARCH GROUP
INAUGURAL EVENT

18TH-19TH APRIL 2024
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
UNIVERSITY OF FERRARA, ITALY

THURSDAY 18 APRIL

11:00-11:30 Welcome session

Institutional greetings. Giovanna Albano, President of AIRDM (Italian Association of Research in Mathematics Education)

Presentation of the MAT&L Research Group. Ferdinando Arzarello and Federica Ferretti.

11:30-12:15 Anna Sfard: *The invisible pitfalls of routines: learning and teaching mathematics as managing communication gaps.*

12:15-13:00 *Discussion.* Chair: Andrea Maffia.

13:00-14:30 Lunch

14:30-15:15 Osama Swidan: *Emerging Technologies (AR & AI): Just big names or technologies that truly promote mathematical reasoning?*

15:15-16:00 *Discussion.* Chair: Camilla Spagnolo

16:00-16:30 Coffee Break

16:30-18:30 *Workshop conducted by Anna Sfard.*

Organizing support: Giada Viola and Camilla Spagnolo

16:30-18:30 *Workshop conducted by Sara Bagossi and Osama Swidan.*

Organizing support: Federica Ferretti and Carlotta Soldano

16:30-18:30 *PhD students meet the plenaryists* (F. Arzarello e P. Drijvers available for individual meetings with PhD students)

18:30-18:40 Presentation of *14th Congress of the European Society for Research in Mathematics Education (CERME14)* that it will take place in Bozen-Bolzano (Italy), from the 4th to 8th of February, 2025. Giorgio Bolondi and Camilla Spagnolo, LOC Chair and Co-Chair of CERME14.

20:00 Social Dinner



Associazione
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FRIDAY 19 APRIL

9:30-10:15 Paul Drijvers: *Digital technology in mathematics education: flash-back and feed-forward.*

10.15-11.00 *Discussion.* Chair: Eugenia Taranto.

11:00-11:30 **Coffe Break**

11:30-12:15 Ferdinando Arzarello: *Digital and non-digital tools in the class of mathematics: designing and interpreting issues.*

12:15-13:00 *Discussion.* Chair: Federica Ferretti.

13:00-14:00 **Lunch**

14:00-16:00 *Workshop conducted by Paul Drijvers.*
Organizing support: Alice Lemmo and Carola Manolino

14:00-16:00 *Workshop conducted by Ferdinando Arzarello.*
Organizing support: Chiara Giberti and Eugenia Taranto

14:00-16:00 *PhD students meet the plenarists (Osama Swidan and Anna Sfard available for individual meetings with PhD students)*

16:00-16:30 **Coffee Break**

16:30-18:15 *Panel with Ferdinando Arzarello, Paul Drijvers, Anna Sfard and Osama Swidan: Developments of mathematics education research in the 21st century coordinated by Ornella Robutti.*

18:15-18:30 **Closing session**

SOCIAL TIP: ESCHER EXHIBITION AT PALAZZO DEI DIAMANTI ([LINK](#))



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