

PROGRAM OVERVIEW

# EARLI SIG 2 CONFERENCE 2022

Text and Graphics Comprehension in a Digital World:  
Potential and Challenges



August 29<sup>th</sup> – 31<sup>st</sup>, 2022 // Kiel, Germany

## CONFERENCE PROGRAM OVERVIEW

### SUNDAY, AUGUST 28<sup>TH</sup>

16:00 – // PhD / JURE Get-Together //  
17:30

17:30 – // Pre-Conference Get-Together //    
22:30

### MONDAY, AUGUST 29<sup>TH</sup>

08:00 – Conference Registration Hallway  
09:00 LS 1

09:00 – Opening Session Klaus-  
09:30 Murmann  
Lecture Hall

09:30 – **A | PAPER SESSION I** Klaus-  
10:30 Beliefs, Myths & Misconceptions Murmann  
About Learning with Text and Graphics Lecture Hall

A | PAPER SESSION I  
09:30 – 10:30

**A1**

***Assessing and Reducing Misconceptions  
About Multimedia Learning***  
Eitel, Prinz, & Dersch

**A2**

***Pre-Service Teachers Evaluating Texts About Learning  
Styles: Role of Topic Beliefs and Reading Order***  
Hämäläinen, Kulju, Mäkinen, & Kiili

**A3**

***The Role of Text in Multimedia:  
Is it too Dominant? (A Theoretical Paper)***  
Lowe & Boucheix

10:30 – // Coffee Break // ☕  
11:00

11:00 – **B | PAPER SESSION II**  
12:30 **Learning & Testing With Text and Graphics**

Klaus-  
Murmann  
Lecture Hall

B | PAPER SESSION II | 11:00 – 12:30

**B1**  
*A Closer Look at the Pre-Training Principle*  
Kühl

**B2**  
*Explicit Monitoring Increases Learning Time  
but Not Performance*  
Hoch, Fleig, & Scheiter

**B3**  
*The Influence of Seductive Details and Animated vs.  
Static Illustrations on Children's Performances*  
Colliot, Boucheix, Chabot, Le Neuresse, & Ragueneau

**B4**  
*Representational vs. Decorative Pictures With  
Different Dynamics in Testing*  
Ehrhart, Höffler, Grund, & Lindner

12:30 – // Lunch Break // 🍴  
13:30

**C | KEYNOTE**

13:30 – ***Using Gaze Displays to Foster Learning From Text and Graphics***  
 14:30 *Tamara van Gog*

Klaus-  
Murmann  
Lecture Hall

14:30 – // **Coffee Break** // 

**D | ROUNDTABLE SESSIONS**

14:45 –  
15:30

D | ROUNDTABLE SESSIONS | 14:45 – 15:30

**D1**  
***Fostering Multiple Science Text Comprehension Through www-Learning Environment in Primary School***  
*Erdmann & Mikkila-Erdmann*

Seminar  
Room  
104b

**D2**  
***Teaching Expert Reading Strategies in Digital Environments to Undergraduates: An Intervention Study***  
*Macedo-Rouet, Saux, Potocki, Dyoniziak, & Rouet*

Seminar  
Room  
208a

**D3**  
***Evidence-Based Implementation of Automatic Response Assessment***  
*Fleig, Padó, Hoch, Lachner, & Scheiter*

Seminar  
Room  
208b

**D4**  
***Emotional Design Pictures – Pleasant but too Weak to Evoke Arousal and Attract Attention?***  
*Lenski & Großschedl*

Seminar  
Room  
209a

**D5**  
***Learning From Academic Video In a Second Language With Captions vs Subtitles: An Eye-Tracking Study***  
*Pannatier & Betrancourt*

Seminar  
Room  
209b

15:30 – // Coffee Break // 

16:00 – E | PAPER SESSION III  
17:00 Emotional Design in Learning With Multimedia

Klaus-  
Murmann  
Lecture Hall

E | PAPER SESSION III | 16:00 – 17:00

**E1**  
*Emotional Design in Game-Based Learning for Children: A Long Saga of Null Results*  
Brom, Javora, Volná, Hannemann, Tetourová, Sýkora, Děchtěrenko, Lukavský, & Kolek

**E2**  
*Perceived Aesthetics of Images in Emotional Design*  
Venni & Betrancourt

**E3**  
*Sustained Attention and Emotional-Design: What is the Role of one's Willingness to Self-Control?*  
Endres, Vössing, Renkl, & Eitel

17:00 – // Coffee Break // 

17:30 – F | DIGITAL KEYNOTE  
18:30 *Multimedia Learning in the Digital Age*  
Richard E. Mayer

18:30 – // „Welcome Drink“ Reception // 

TUESDAY, AUGUST 30<sup>TH</sup>

09:00 – G | PAPER SESSION IV  
10:30 Learning With Videos

Klaus-  
Murmann  
Lecture Hall

G | PAPER SESSION IV | 09:00 – 10:30

**G1**

***Like it or Learn From It: Effects of Instructor Presence in Educational Videos***

*Sondermann & Merkt*

**G2**

***Facing Text & Graphics in Instructional Video: The Role of Instructor Presence and Coherence Signals***

*Schmidt-Borcherding, Gehrke, & Bateman*

**G3**

***A Narrative Frame is Essential in Emotional Design – The Role of Value in Evoking Situational Interest***

*Endres, Eitel, & Renkl*

**G4**

***Text vs. Video: Comparing Comprehension Outcomes and Underlying Processes in Fourth Grade Children***

*van Zeijts, Ganushchak, de Koning, & Tabbers*

**G5**

***It's not as Simple as I Thought: Do Prompts Support Learning With explainer Videos and Text?***

*Krebs, Braschoß, & Eitel*

10:30 – // Coffee Break //   
11:00

11:00 – H | PAPER SESSION V  
12:30 Comprehension of (Digital) Text Information

Klaus-  
Murmans  
Lecture Hall

H | PAPER SESSION V | 11:00 – 12:30

**H1**

***Enhancing Adolescents' Metacomprehension of Print and Digital Texts Through Keyword Generation***  
Delgado, Salmerón, Altamura García, Vargas Pecino, & Pelluch

**H2**

***Not Just Texts – Reactivation, Integration, and Validation Processes Also Apply to Illustrated Texts***  
Frick & Schüler

**H3**

***Plain Language Summaries of Psychological Research – Why and How? Results of a Preregistered Study***  
Kerwer, Jonas, Stoll, Benz, & Chasiotis

**H4**

***Effects of Screen Size and Screen Dynamics When Reading Digital Text***  
Haverkamp, Latini, Bråten, & Salmerón

**H5**

***Shifting From Paper to Computer in Low-Stakes Reading Tests: Mode Effects and Practical Issues***  
Schult & Ştefănică

12:30 – // Lunch Break //   
13:30

**I | JURE KEYNOTE**

**13:30 – 14:30** – *Learning With Web-Based Texts: The Role of Nonstrategic and Strategic Validation Processes*  
*Johanna Abendroth*

Klaus-  
Murmann  
Lecture Hall

**14:30 – 14:45** // **Coffee Break** // 

**J | POSTERBLITZ PREVIEW**

**14:45 – 15:45**

Klaus-  
Murmann  
Lecture Hall

**K | POSTERSESSION**

**16:00 – 17:30**

Seminar  
Room  
209a/209b

K | POSTER SESSION | 16:00 – 17:30

**K1**

*How do Messages in the Chat Box Influence Student Learning During Online Lectures?*  
*Colliot, Flanigan, & Masse*

**K2**

*Does the Specialist Problem Improve Learning of Instructional Text on Gender Stereotypes in Math?*  
*Dersch, Bohm, & Eitel*

**K3**

*Analyzing the Interplay Between Representational Competence and Content Knowledge over Time*  
*Losjsew & Bernholt*

**K4**

*Multimedia Effects in Testing: A Systematic Review*  
*Schewior & Lindner*

**K5**

*Learning From Texts Involves Diverse Self-Regulation Abilities Beyond Comprehension Skills*  
*Tibus, Gottschling, & Gerjets*



K | POSTER SESSION | 16:00 – 17:30

**K6**

***Supporting Learning of Complex Representations Through Signals in Videos: An Eye-Tracking Study***

*Rodemer, Lindner, Eckhard, Graulich, & Bernholt*

**K7**

***Effects of "Easiness" and "Scientificness" Within Lay-Friendly Research Summaries***

*Jonas, Kerwer, Chasiotis, & Rosman*

**K8**

***"I can Look This up Later": The Effect of Expected and Actual Video Availability on Test Performance***

*Merkt, Keuchel, & Meyerhoff*

**K9**

***Beyond the Effect Size: Can Visualizations from Emotional Design Really be Compared?***

*Venni & Désiron*

**K10**

***Seductive Details Hamper Learning not Because They Disrupt***

*Kienitz, Krebs, & Eitel*

**K11**

***Audio-Visual Spatial Contiguity in Three-Dimensional Space***

*Glaser, Werner, & Schwan*

**K12**

***Retrieval Practice of Multimedia vs Text Materials: On Learners' Metacognitive Sensitivity***

*Kubik, Berthold, & Gaschler*

**19:00**

**// Conference Dinner //**



## WEDNESDAY, AUGUST 31<sup>TH</sup>

08:30 –  
09:50 // Morning Walk in the Botanic Garden // 

10:00 –  
11:00 L | POSTERBLITZ PREVIEW Klaus-  
Murmans  
Lecture Hall

11:00 –  
11:15 // Coffee Break // 

11:15 –  
12:30 M | POSTER SESSION & COFFEE Seminar  
Room  
209a/209b

M | POSTER SESSION | 11:15 – 12:30

### M1

**Animation-Based Learning: Effect of Cueing for Novice  
And Advanced Students**  
Forge, Lemarié, & Lamine

### M2

**Can Interactive Decorative Pictures Enhance Learning  
Compared to Informative and Static Pictures?**  
Wehrhahn, Zhao, Gaschler, & Haake

### M3

**Visual Representations of Electric Circuits –  
A Textbook Analysis**  
Peter & Krey

### M4

**Learning From Complementary Sources:  
Do Medium and Context Matter?**  
Ronconi, Mason, Tarchi, Manzione, Latini, & Bråten

### M5

**Students' Leisure Time Reading of Books and Websites  
Predicts Reading Attitudes**  
Strømsø

M | POSTER SESSION | 11:15 – 12:30

**M6**

***A Meta-Analysis Analyzing the Relationship Between Digital Reading Habits and Reading Comprehension***

*Altamura García, Salmerón, & Vargas Pecino*

**M7**

***Videos in the Classroom: Do They Actually Come With Signaling (and Other Multimedia Principles)?***

*Désiron & La Torre*

**M8**

***What Knowledge Supports the Comprehension and Evaluation of Argumentative Text?***

*Diakidoy & Christodoulou*

**M9**

***Media Adaptation of Technical Documents in the Nuclear Industry***

*Vigne, Motak, Garcia, & Bonnardel*

12:30 –  
13:30

// **Lunch Break** // 

**N | KEYNOTE**

13:30 – ***Screen Inferiority Effect: Understanding why Digital Technologies may Disrupt Text Comprehension***

*Ladislao Salmerón*

Klaus-  
Murmann  
Lecture Hall

14:30 –  
14:45

// **Coffee Break** // 

14:45 – O | PAPER SESSION VI  
15:45 Learning With Multiple Documents

Klaus-  
Murmann  
Lecture Hall

O | PAPER SESSION VI | 14:45 – 15:45

**O1**

***Eh... I Think I Understood Them all? Monitoring Accuracy in Multiple Document Comprehension***  
Tabbers, Hahnel, & Schoor

**O2**

***Student's Task Model Before and After Working on Multiple-Document Tasks***  
Schoor, Rouet, & Britt

**O3**

***Why Trust or Mistrust? Sixth Graders' Ability to Justify the Credibility of Online Texts***  
Kiili, Bråten, Strømsø, & Räikkönen

**O4**

***Students' Multiple Document use in an Asynchronous Online Course***  
Hahnel, Bengs, Biedermann, Ciordas-Hertel, Eichmann, & Goldhammer

15:45 –  
16:00 // **Coffee Break** // 

16:00 – P | PAPER SESSION VII  
17:00 Visuo-Spatial Abilities and Learning

Klaus-  
Murmann  
Lecture Hall

P | PAPER SESSION VII  
16:00 – 17:00

**P1**  
*The Influence of Hand Proximity and Visuospatial Ability on Visuospatial Learning: An fNIRS Study*  
Brucker, Dischinger, Gerjets, & Ehlis

**P2**  
*The Links Between Visuo-Spatial Abilities and Children's Spatial Knowledge of a Virtual Environment.*  
Bénard - Linh Quang, Berney, Maurer, & Betrancourt

**P3**  
*Spatial Navigation in a Virtual Environment and its Influence on Spatial Abilities*  
Berney, Bénard - Linh Quang, Maurer, & Betrancourt

17:00 –  
17:30 **CLOSING SESSION & JURE AWARDS**

Klaus-  
Murmann  
Lecture Hall

17:30 –  
17:45 // **Coffee Break** // 

17:45 –  
18:30 **SIG 2 MEMBERS MEETING (HYBRID)**

Klaus-  
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Lecture Hall

## THURSDAY, SEPTEMBER 1<sup>ST</sup>

08:00 –  
10:30 // **Post-Conference Breakfast** // 

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