1. Record Nr. UNINA9910865247303321 Autore Zaphiris Panayiotis **Titolo** Learning and Collaboration Technologies: 11th International Conference, LCT 2024, Held as Part of the 26th HCI International Conference, HCII 2024, Washington, DC, USA, June 29-July 4, 2024. Proceedings, Part III / / edited by Panayiotis Zaphiris, Andri Ioannou Cham: .: Springer Nature Switzerland: .: Imprint: Springer. , 2024 Pubbl/distr/stampa **ISBN** 9783031616914 9783031616907 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (370 pages) Lecture Notes in Computer Science, , 1611-3349; ; 14724 Collana Altri autori (Persone) IoannouAndri Disciplina 005.437 004.019 Soggetti User interfaces (Computer systems) Human-computer interaction User Interfaces and Human Computer Interaction Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Intro -- Foreword -- HCI International 2024 Thematic Areas and Nota di contenuto Affiliated Conferences -- List of Conference Proceedings Volumes Appearing Before the Conference -- Preface -- 11th International Conference on Learning and Collaboration Technologies (LCT 2024) --HCI International 2025 Conference -- Contents - Part III -- VR and AR in Learning and Education -- Learning 3D Matrix Algebra Using Virtual and Physical Manipulatives: Qualitative Analysis of the Efficacy of the AR-Classroom -- 1 Introduction -- 2 AR-Classroom -- 2.1 Previous Research on AR-Classroom -- 2.2 Phenomenological Research -- 2.3 Learning Experiment Using AR-Classroom -- 3 Methods -- 3.1 Procedures -- 4 Results -- 4.1 Difficulty Using Traditional Methods --4.2 Reliance on Resources -- 4.3 Pattern Recognition -- 4.4 Developing Understanding of 3D Matrix Algebra -- 5 Discussion -- 5.1 Limitations and Future Research -- 6 Conclusion -- References --Exploring the Impact of Virtual Presence in Digital Meetings:

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Sommario/riassunto

This three-volume set LNCS 14722-14724 constitutes the refereed proceedings of the 11th International Conference on Learning and Collaboration Technologies, LCT 2024, held as part of the 26th International Conference on Human-Computer Interaction, HCI International 2024, which took place in Washington DC, USA, during June 29 – July 4, 2024. The total of 1271 papers and 309 posters included in the HCII 2023 proceedings was carefully reviewed and selected from 5108 submissions. The LCT 2024 conference addresses theoretical foundations, design, and implementation, as well as effectiveness and impact issues related to interactive technologies for learning and collaboration, including design methodologies, developments and tools, theoretical models, learning design or learning experience (LX) design, as well as technology adoption and use in formal, non-formal and informal educational contexts.