1. Record Nr. UNINA9910951902303321 Autore Wang Qiyun Titolo Designing Technology-Mediated Learning Environments: Perspectives, Processes, and Applications / / by Qiyun Wang Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 9789819606801 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (190 pages) 370 Disciplina Education Soggetti Study skills **Teaching** Study and Learning Skills Pedagogy Educació Ensenvament Mètodes d'estudi Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Part I Foundations -- 1 Technology and Technology-Mediated Learning Environment -- 2 The PST Framework -- Part II Perspectives -- 3 Pedagogical Design -- 4 Social Design -- 5 Technical Design -- 6 Context -- Part III Processes -- 7 Educational Design Research -- 8 Quality Criteria -- 9 Developmental Tools -- Part IV Applications -- 10 Designing a Blended Synchronous Learning Environment: Using PST as a Design Tool -- 11 Analysing the Affordances of Zoom (tentatively): Using PST as an Analytical Tool -- 12 Future Developments. Sommario/riassunto This book helps teacher designers better understand the roles of technology in education, the key design perspectives of a technologymediated learning environment (TMLE), the design considerations for each perspective, and the design processes of a TMLE. This book presents a generic conceptual framework, called Pedagogical, Social

and Technical design (PST), to illustrate the main design perspectives of

the TMLE and their relationship. It also describes a pragmatic design approach, the educational design research approach, for teacher designers to easily follow when they are designing TMLEs. This book also demonstrates two application examples using the PST framework as a design tool to design a blended synchronous learning environment and as an analytical tool to evaluate the educational affordances of an information and communication technology tool.