

1. Record Nr.	UNINA9910863164803321
Titolo	Domain Decomposition Methods in Science and Engineering XXV // edited by Ronald Haynes, Scott MacLachlan, Xiao-Chuan Cai, Laurence Halpern, Hyea Hyun Kim, Axel Klawonn, Olof Widlund
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-56750-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXVI, 508 p.)
Collana	Lecture Notes in Computational Science and Engineering, , 2197-7100 ; ; 138
Disciplina	515.35
Soggetti	Mathematics - Data processing Differential equations Computer engineering Computer networks Computer science - Mathematics Computer simulation Computer-aided engineering Computational Mathematics and Numerical Analysis Differential Equations Computer Engineering and Networks Mathematics of Computing Computer Modelling Computer-Aided Engineering (CAD, CAE) and Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I Plenary Talks (PT) -- Part II Talks in Minisymposia (MT) -- Part III Contributed Talks and Posters (CT).
Sommario/riassunto	These are the proceedings of the 25th International Conference on Domain Decomposition Methods in Science and Engineering, which was held in St. John's, Newfoundland, Canada in July 2018. Domain decomposition methods are iterative methods for solving the often very large systems of equations that arise when engineering problems are

discretized, frequently using finite elements or other modern techniques. These methods are specifically designed to make effective use of massively parallel, high-performance computing systems. The book presents both theoretical and computational advances in this domain, reflecting the state of art in 2018.
