Record Nr.	UNINA9910300120803321
Titolo	Homological Methods, Representation Theory, and Cluster Algebras / / edited by Ibrahim Assem, Sonia Trepode
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-74585-9
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XI, 223 p. 41 illus.)
Collana	CRM Short Courses, , 2522-5200
Disciplina	512.64
Soggetti	Category theory (Mathematics) Homological algebra Commutative algebra Commutative rings Combinatorics Category Theory, Homological Algebra Commutative Rings and Algebras
	0 0
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
Lingua di pubblicazione Formato Livello bibliografico	Inglese Materiale a stampa Monografia
Lingua di pubblicazione Formato Livello bibliografico Nota di contenuto	Inglese Materiale a stampa Monografia Introduction to the Representation Theory of Finite-Dimensional Algebras: The Functorial Approach (M. I. Platzeck) Auslander-Reiten Theory for Finite-Dimensional Algebras (P. Malicki) Cluster Algebras From Surfaces (R. Schiffler) Cluster Characters (PG. Plamondon) A Course on Cluster Tilted Algebras (I. Assem) Brauer Graph Algebras (S. Schroll).

1.

tools in the study of finite-dimensional algebras. The strong relationship with cluster algebras is more recent and has quickly established itself as one of the important highlights of today's mathematical landscape. This connection has been fruitful to both areas—representation theory provides a categorification of cluster algebras, while the study of cluster algebras provides representation theory with new objects of study. The six mini-courses comprising this text were delivered March 7–18, 2016 at a CIMPA (Centre International de Mathématiques Pures et Appliquées) research school held at the Universidad Nacional de Mar del Plata, Argentina. This research school was dedicated to the founder of the Argentinian research group in representation theory, M.I. Platzeck.