

1. Record Nr.	UNISA996418183003316
Titolo	Schubert calculus and its applications in combinatorics and representation theory : Guangzhou, China, November 2017 // Jianxun Hu, Changzheng Li, Leonardo C. Mihalcea, editors
Pubbl/distr/stampa	Singapore : , : Springer, , [2020] Â©2020
ISBN	981-15-7451-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VIII, 365 p. 116 illus., 30 illus. in color.)
Collana	Springer proceedings in mathematics & statistics ; ; Volume 332
Disciplina	516.35
Soggetti	Global analysis (Mathematics) Manifolds (Mathematics) Geometry, Algebraic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	T. Matsumura, S. Sugimoto, Factorial Flagged Grothendieck Polynomials -- L. Darondeau and P. Pragacz, Flag Bundles, Segre Polynomials, and Push-Forwards -- W. Domitrz, P. Mormul and P. Pragacz, Order of tangency between manifolds -- H. Duan and X. Zhao, On Schubert's Problem of Characteristics -- O. Pechenik and D. Searles, Asymmetric Function Theory -- D. Anderson and A. Nigro, Minuscule Schubert Calculus and the Geometric Satake Correspondence -- F. McGlade, A. Ram and Y. Yang, Positive level, negative level and level zero -- C. su and C. Zhong, Stable Bases of the Springer Resolution and Representation Theory -- L. M. Fehér, R. Rimányi and A. Weber, Characteristic Classes of Orbit Stratifications, the Axiomatic Approach -- H. Abe and T. Horiguchi, A Survey of Recent Developments on Hessenberg Varieties -- T. Hudson, T. Matsumura and N. Perrin, Stability of Bott–Samelson Classes in Algebraic Cobordism -- B. Kim, J. Oh, K. Ueda, and Y. Yoshida, Residue Mirror Symmetry for Grassmannians.
Sommario/riassunto	This book gathers research papers and surveys on the latest advances in Schubert Calculus, presented at the International Festival in Schubert Calculus, held in Guangzhou, China on November 6–10, 2017. With

roots in enumerative geometry and Hilbert's 15th problem, modern Schubert Calculus studies classical and quantum intersection rings on spaces with symmetries, such as flag manifolds. The presence of symmetries leads to particularly rich structures, and it connects Schubert Calculus to many branches of mathematics, including algebraic geometry, combinatorics, representation theory, and theoretical physics. For instance, the study of the quantum cohomology ring of a Grassmann manifold combines all these areas in an organic way. The book is useful for researchers and graduate students interested in Schubert Calculus, and more generally in the study of flag manifolds in relation to algebraic geometry, combinatorics, representation theory and mathematical physics. .
