Record Nr. UNISA996202532703316 Autore Bosch Siegfried Titolo Lectures on Formal and Rigid Geometry [[electronic resource] /] / by Siegfried Bosch Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2014 **ISBN** 3-319-04417-6 Edizione [1st ed. 2014.] Descrizione fisica 1 online resource (VIII, 254 p.) Collana Lecture Notes in Mathematics, , 0075-8434; ; 2105 Disciplina 516.35 Soggetti Mathematics Algebraic geometry Number theory Mathematics, general Algebraic Geometry **Number Theory** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Classical Rigid Geometry -- Tate Algebras -- Affinoid Algebras and their Associated Spaces -- Affinoid Functions -- Towards the Notion of Rigid Spaces -- Coherent Sheaves on Rigid Spaces -- Formal Geometry -- Adic Rings and their Associated Formal Schemes -- Raynaud's View on Rigid Spaces -- More Advanced Stuff -- Appendix -- References --Index. Sommario/riassunto A first version of this work appeared in 2005 as a Preprint of the Collaborative Research Center "Geometrical Structures in Mathematics" at the University of Münster. Its aim was to offer a concise and selfcontained 'lecture-style' introduction to the theory of classical rigid geometry established by John Tate, together with the formal algebraic geometry approach launched by Michel Raynaud. These Lectures are now viewed commonly as an ideal means of learning advanced rigid geometry, regardless of the reader's level of background. Despite its parsimonious style, the presentation illustrates a number of key facts

> even more extensively than any other previous work. This Lecture Notes Volume is a revised and slightly expanded version of the original

preprint and has been published at the suggestion of several experts in the field.			