1. Record Nr. UNISA996466545203316 Arithmetic and Geometry over Local Fields [[electronic resource]]: Titolo VIASM 2018 / / edited by Bruno Anglès, Tuan Ngo Dac Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2021 **ISBN** 3-030-66249-7 Edizione [1st ed. 2021.] 1 online resource (XVII, 326 p. 13 illus., 2 illus. in color.) Descrizione fisica Lecture Notes in Mathematics, , 1617-9692;; 2275 Collana Disciplina 512.22 Soggetti Number theory Algebraic geometry Algebraic fields **Polynomials Number Theory** Algebraic Geometry Field Theory and Polynomials Cossos algebraics Geometria algebraica aritmètica Congressos Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia This volume introduces some recent developments in Arithmetic Sommario/riassunto Geometry over local fields. Its seven chapters are centered around two common themes: the study of Drinfeld modules and non-Archimedean analytic geometry. The notes grew out of lectures held during the research program "Arithmetic and geometry of local and global fields" which took place at the Vietnam Institute of Advanced Study in Mathematics (VIASM) from June to August 2018. The authors, leading

> experts in the field, have put great effort into making the text as selfcontained as possible, introducing the basic tools of the subject. The numerous concrete examples and suggested research problems will

enable graduate students and young researchers to quickly reach the frontiers of this fascinating branch of mathematics.