Record Nr. UNINA9911018662503321 Autore Garcia-Fernandez Mario Titolo Advances in Poisson Geometry / / edited by Mario Garcia-Fernandez, David Iglesias Ponte, Eva Miranda, Cédric Oms, Roberto Rubio Cham:,: Springer Nature Switzerland:,: Imprint: Birkhäuser,, 2025 Pubbl/distr/stampa **ISBN** 3-031-86657-6 Edizione [1st ed. 2025.] Descrizione fisica 1 online resource (685 pages) Collana Advanced Courses in Mathematics - CRM Barcelona, , 2297-0312 Altri autori (Persone) PonteDavid Iglesias MirandaEva **OmsCédric** RubioRoberto Disciplina 516.36 Soggetti Geometry, Differential Differential Geometry Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia - Part I: Introduction to Poisson Geometry -- 1. A brief Introduction to Nota di contenuto Poisson Geometry -- Part II: Wonderful Varieties -- 2. Wonderful Varieties with a View Towards Poisson Geometry -- Part III: An Invitation to Singular Foliations -- 3. What is a singular foliation? -- 4. Canonical geometric and algebraic structures hidden behind a singular foliation -- 5. State of the Art and open questions. Sommario/riassunto This book presents recent advances in topics related to Poisson geometry originating from lectures given at the "Poisson School" held in 2022 at the CRM in Barcelona. The purpose is to give both an introduction to this active field of research as well as highlight new trends in related topics. The texts cover both classical results, known to experts in the field, as well as recent and previously unpublished mathematical results. Graduate students and early-stage researchers with basic knowledge in differential and symplectic geometry, together with established researchers that are keen to dive into this rapidly growing field of research, will find this book a useful resource.