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Titolo	Contemporary trends in nonlinear geometric control theory and its applications [[electronic resource] /] / A. Anzaldo-Meneses ... [et al.]
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Altri autori (Persone)	Anzaldo-MenesesA
Disciplina	629.8/312
Soggetti	Nonlinear control theory Geometry, Differential Exterior differential systems Electronic books.
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents ; Foreword ; Part I Invited Survey Chapters ; Variational Problems on Lie Groups and their Homogeneous Spaces: Elastic Curves Tops and Constrained Geodesic Problems ; 1. Introduction ; 2. Space forms and their frame bundles ; 3. Hamiltonians and the extremal curves Controllability of Lie Systems 1. Introduction ; 2. Control systems on Lie groups ; 3. Groups irrelevant for transitivity ; 4. Exploiting compactness and irrelevancy ; 5. Irrelevant groups and algebras ; 6. Irrelevant groups and algebras: the solvable case 7. Irrelevant groups and algebras: the semisimple case Canonical Contact Systems for Curves: A Survey ; 1. Introduction ; 2. The canonical contact system for curves ; 3. History ; 4. Involutive subdistributions of corank one 5. Contact systems characteristic distributions and involutive subdistributions 6. Flatness of contact systems ; 7. An example ; 8. Singular points and extended Kumpera-Ruiz normal forms ; The Brachistochrone Problem and Modern Control Theory

- ; 1. Introduction
- 2. Johann Bernoulli and the brachistochrone problem
- 3. The standard formulation and Johann Bernoulli's solution
- ; 4. Spurious solutions and the calculus of variations approach
- ; 5. The optimal control approach ; 6. The differential-geometric connection
- 7. Five modern variations on the theme of the brachistochrone

Sommario/riassunto

Mathematical control theory has evolved from the study of practical problems in engineering and sciences to the elaboration of deep, important concepts in mathematics and applied sciences. This volume concerns contemporary trends in nonlinear geometric control theory and its applications. It is a fine collection of papers presenting new results, relevant open problems, and important applications regarding academic and real-world problems. The book is dedicated to Velimir Jurdjevic whose scientific activity has been influential in the research of many of the authors. It contains a number of a

2. Record Nr.

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Titolo

Advances in Information Retrieval : 47th European Conference on Information Retrieval, ECIR 2025, Lucca, Italy, April 6–10, 2025, Proceedings, Part II // edited by Claudia Hauff, Craig Macdonald, Dietmar Jannach, Gabriella Kazai, Franco Maria Nardini, Fabio Pinelli, Fabrizio Silvestri, Nicola Tonellotto

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Disciplina

006.35

Soggetti

Natural language processing (Computer science)
 Information storage and retrieval systems
 Database management
 Data mining
 Machine learning
 Natural Language Processing (NLP)
 Information Storage and Retrieval
 Database Management System
 Data Mining and Knowledge Discovery
 Machine Learning

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	<p>-- Set-Encoder: Permutation-Invariant Inter-Passage Attention for Listwise Passage Re-Ranking with Cross-Encoders. -- Patent Figure Classification using Large Vision-language Models. -- Efficient Session Retrieval Using Topical Index Shards. -- Feature Attribution Explanations of Session-based Recommendations. -- Evaluating Sequential Recommendations in the Wild: A Case Study on offline Accuracy, Click Rates, and Consumption. -- Graph-Convolutional Networks: Named Entity Recognition and Large Language Model Embedding in Document Clustering. -- Exploring the relationship between listener receptivity and source of music recommendations. -- News Without Borders: Domain Adaptation of Multilingual Sentence Embeddings for Cross-lingual News Recommendation. -- Maybe you are looking for CroQS: Cross-modal Query Suggestion for Text-to-Image Retrieval. -- Evaluating LLM Abilities to Understand Tabular Electronic Health Records: A Comprehensive Study of Patient Data Extraction and Retrieval. -- MVAM: Multi-View Attention Method for Fine-grained Image-Text Matching. -- An Investigation of Prompt Variations for Zero-shot LLM-based Rankers. -- Query Performance Prediction using Dimension Importance Estimators. -- Uncertainty Estimation in the Real World: A study on Music Emotion Recognition. -- Rank-without-GPT: Building GPT-Independent Listwise Rerankers on Open-Source Large Language Models. -- Semi-Supervised Image-Based Narrative Extraction: A Case Study with Historical Photographic Records. -- LLM is Knowledge Graph Reasoner: LLM's Intuition-aware Knowledge Graph Reasoning for Cold-start Sequential Recommendation. -- PEIR: Modeling Performance in Neural Information Retrieval. -- mFollowIR: a Multilingual Benchmark for Instruction Following in Retrieval. -- Leveraging Retrieval-Augmented Generation for Keyphrase Synonym Suggestion. -- Can Large Language Models Effectively Rerank News Articles for Background Linking?. -- OKRA: an Explainable, Heterogeneous, Multi-Stakeholder Job Recommender System. -- CUP: a Framework for Resource-Efficient Review-Based Recommenders. -- Towards Efficient and Explainable Hate Speech Detection via Model Distillation. -- Visual Latent Captioning - Towards Verbalizing Vision Transformer Encoders. -- On the Robustness of Generative Information Retrieval Models: An Out-of-Distribution Perspective. -- Towards Reliable Testing for Multiple Information Retrieval System Comparisons. -- Leveraging High-Resolution Features for Improved Deep Hashing-based Image Retrieval.</p>
Sommario/riassunto	<p>The five-volume set LNCS 15572, 15573, 15574, 15575 and 15576 constitutes the refereed conference proceedings of the 47th European Conference on Information Retrieval, ECIR 2025, held in Lucca, Italy, during April 6–10, 2025. The 52 full papers, 11 findings, 42 short papers and 76 papers of other types presented in these proceedings were carefully reviewed and selected from 530 submissions. The accepted papers cover the state-of-the-art in information retrieval and recommender systems: user aspects, system and foundational aspects, artificial intelligence and machine learning, applications, evaluation, new social and technical challenges, and other topics of direct or indirect relevance to search and recommendation.</p>

