

1. Record Nr.	UNISA996465410003316
Titolo	In Search of Elegance in the Theory and Practice of Computation [[electronic resource]] : Essays dedicated to Peter Buneman // edited by Val Tannen, Limsoon Wong, Leonid Libkin, Wenfei Fan, Wang-Chiew Tan, Michael Fourman
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-41660-8
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XII, 569 p. 121 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 8000
Disciplina	005.74
Soggetti	Database management Compilers (Computer programs) Computer science Database Management Compilers and Interpreters Computer Science Logic and Foundations of Programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Models for Data-Centric Workflows -- Relational Databases and Bell's Theorem -- High-Level Rules for Integration and Analysis of Data: New Challenges -- A New Framework for Designing Schema Mappings -- User Trust and Judgments in a Curated Database with Explicit Provenance -- An Abstract, Reusable, and Extensible Programming Language Design Architecture -- A Discussion on Pricing Relational Data -- Tractable Reasoning in Description Logics with Functionality Constraints -- Toward a Theory of Self-explaining Computation -- To Show or Not to Show in Workflow Provenance -- Provenance-Directed Chase and Backchase -- Data Quality Problems beyond Consistency and Deduplication -- Hitting Buneman Circles -- Looking at the World Thru Colored Glasses -- Static Analysis and Query Answering for Incomplete Data Trees with Constraints -- Using SQL for Efficient Generation and Querying of Provenance Information -- Bounds and Algorithms for Joins via Fractional Edge Covers -- Incremental Data

Fusion Based on Provenance Information -- Provenance for Linked Data -- First-Order Provenance Games -- Querying an Integrated Complex-Object Dataflow Database -- Types, Functional Programming and Atomic Transactions in Hardware Design -- Record Polymorphism: Its Development and Applications -- A Calculus of Chemical Systems -- Schemaless Semistructured Data Revisited - Reinventing Peter Buneman's Deterministic Semistructured Data Model -- Provenance Propagation in Complex Queries -- Well-Defined NRC Queries Can Be Typed -- Nine Years with Peter Buneman -- Modal Logic for Preference Based on Reasons -- The Dichotomous Intensional Expressive Power of the Nested Relational Calculus with Powerset -- Provenance in a Modifiable Data Set.

Sommario/riassunto

This Festschrift volume, published in honour of Peter Buneman, contains contributions written by some of his colleagues, former students, and friends. In celebration of his distinguished career a colloquium was held in Edinburgh, Scotland, 27-29 October, 2013. The articles presented herein belong to some of the many areas of Peter's research interests.
