Keynote Speech
Building an Extensible XQuery Engine: Experiences with Galax p. 1

Query Processing
A Light but Formal Introduction to XQuery p. 5
XML Query Processing Using a Schema-Based Numbering Scheme p. 21
Implementing Memoization in a Streaming XQuery Processor p. 35
Searching, Ranking, and Mapping XML Documents
Query Processing with Relevance Ranking p. 51
Information Preservation in XML-to-Relational Mappings p. 66
A Signature-Based Approach for Efficient Relationship Search on XML Data Collections p. 82

XML Constraints Checking and Correcting Correctors for XML Data p. 97
Incremental Constraint Checking for XML Documents p. 112
EREa: A Conceptual Model for XML p. 128

XML Processing
A Runtime System for XML Transformations in Java p. 143
Teaching Relational Optimizers About XML Processing p. 158
Adjustable Transaction Isolation in XML Database Management Systems p. 173

Clustering, Indexing, Statistics
Fractional XSketch Synopses for XML Databases p. 189
Flexible Workload-Aware Clustering of XML Documents p. 204
XIST: An XML Index Selection Tool p. 219

Author Index p. 235

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.