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| 1. Record Nr.           | UNINA9910454598703321   |
| Autore                  | Baragoïn Corinne  |
| Titolo                  | Enhance your business applications [[electronic resource] ] : simple integration of advanced data mining functions // Corinne Baragoïn, et al   |
| Pubbl/distr/stampa      | [Armonk, N.Y.], : IBM, 2002   |
| Descrizione fisica      | 1 online resource (348 p.)  |
| Disciplina              | 006.3/12  |
| Soggetti                | Data mining<br>Business - Data processing<br>Electronic books.  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | "December 2002."<br>"This edition applied to IBM DB2 intelligent miner modeling version 8.1, IBM DB2 intelligent miner scoring version 8.1, and IBM DB2 intelligent miner visualization version 8.1." |
| Nota di bibliografia    | Includes bibliographical references and index.  |

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| 2. Record Nr.           | UNINA9910461409203321   |
| Titolo                  | Episcopal elections in late antiquity [[electronic resource] /] / edited by Johan Leemans ... [et al.]  |
| Pubbl/distr/stampa      | Boston, : De Gruyter, c2011   |
| ISBN                    | 1-283-40391-9<br>9786613403919<br>3-11-026860-4   |
| Descrizione fisica      | 1 online resource (620 p.)  |
| Collana                 | Arbeiten zur Kirchengeschichte, , 1861-5996 ; Bd. 119   |
| Altri autori (Persone)  | LeemansJohan <1965->  |
| Disciplina              | 262/.1220901  |
| Soggetti                | Bishops - Appointment, call, and election - History<br>Church history - Primitive and early church, ca. 30-600<br>Electronic books.   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references and indexes.  |
| Nota di contenuto       | Frontmatter -- Preface -- Table of Contents -- Episcopal Elections in Late Antiquity: Structures and Perspectives / Nuffelen, Peter Van / Leemans, Johan -- Keynote Lectures -- Episcopal Succession in Antioch in the Sixth Century / Allen, Pauline -- The Election of Ambrose of Milan / Barnes, Timothy David -- Theodoret of Cyrhus and Syrian Episcopal Elections / Bevan, George A. -- L'élection d'archevêques diphsytes au trône alexandrin (451-482): une désignation artificielle et contrainte? / Blaudeau, Philippe -- Bischofswahl und Bischofsernennung im Synodicon Orientale / Bruns, Peter -- La royauté mérovingienne et les élections épiscopales au VIe siècle / Dumézil, Bruno -- Canonical Legislation on the Ordination of Bishops: Innocent I's Letter to Victricius of Rouen / Dunn, Geoffrey D. -- Christlicher Euergetismus ob honorem? Die Einsetzung von Klerikern in ihre Ämter und die von diesen vorangetriebenen Bauprojekte / Haensch, Rudolf -- Clerical Marriage and Episcopal Elections in the Latin West: From Siricius to Leo I / Hunter, David G. -- The Saint and the Bishop: Severinus of Noricum / Rosenberger, Veit -- Bishops and Clerics during the Fourth Century: Numbers and Their Implications / Dam, Raymond Van -- The Rhetoric of Rules and the Rule of Consensus / Nuffelen, |

Peter Van -- Les élections épiscopales en Égypte aux VIe- VIIe siècles / Wipszycka, Ewa -- Bischofswahlen in Rom (3.-6. Jh.): Bedingungen - Akteure - Verfahren / Wirbelauer, Eckhard -- Short Papers -- Les élections épiscopales en Orient sous Sévère d'Antioche (512-518) / Alpi, Frédéric -- ...ut sancto sanctus succederet... oder: Haben Heilige eine Wahl? Ein Ausblick auf die frühmittelalterliche Bischofserhebung in den Viten heiliger Bischöfe / Alt, Daniel -- Bishop Pesynthios of Koptos (Egypt): "He did not pursue the honour, but it was the honour that pursued him" / Dekker, Renate -- An Extraordinary Bishop: Eusebius of Caesarea in Cappadocia / Fatti, Federico -- The Election and Deposition of Meletius of Antioch: The Fall of an Integrative Bishop / Hihn, Oliver -- Haeres Petri: Kontinuität und Wandel in der Bischofsnachfolge des Siricius von Rom / Hornung, Christian -- Episcopal Succession as Criterion of Communion: The Rise of Rival Episcopal Genealogies in Alexandria according to Liberatus of Carthage / Keough, Shawn W. J. -- Epiphanius of Cyprus vs. John of Jerusalem: An Improper Ordination and the Escalation of the Origenist Controversy / Kim, Young Richard -- Episcopal Elections in Gaul: The Normative View of the Concilia Galliae versus the Narrative Accounts / Loftus, Susan -- Ecclesia non abhorret a sanguine. Les élections épiscopales dans l'Église arménienne aux IVe-Ve siècles / Mardirossian, Aram -- Education, Humility and Choosing Ideal Bishops in Late Antiquity / Maxwell, Jaclyn -- Zum Beispiel Proklos von Konstantinopel. Über Chancen und Grenzen des spätantiken Bischofsamtes / Rist, Josef -- The Election of Sahak I as Catholicos of the Armenian Church / Shchuryk, Oleh -- Procedure and Hierarchy: Models of Episcopal Election in Late Antique Conciliar and Papal Rule making / Thier, Andreas -- Episcopal Self-Presentation: Sidonius Apollinaris and the Episcopal Election in Bourges AD 470 / Waarden, Johannes A. van -- The Election of Paul the Jew (519) in Light of the Theopaschite Controversy / Viezure, Dana Iuliana -- List of Authors -- Indices

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## Sommario/riassunto

The present volume contributes to a reassessment of the phenomenon of episcopal elections from the broadest possible perspective, examining the varied combination of factors, personalities, rules and habits that played a role in the process that eventually resulted in one specific candidate becoming the new bishop, and not another. The importance of episcopal elections hardly needs stating: With the bishop emerging as one of the key figures of late antique society, his election was a defining moment for the local community, and an occasion when local, ecclesiastical, and secular tensions were played out. Building on the state of the art regarding late antique bishops and episcopal election, this volume of collected studies by leading scholars offers fresh perspectives by focussing on specific case-studies and opening up new approaches. Covering much of the Later Roman Empire between 250-600 AD, the contributions will be of interest to scholars interested in Late Antique Christianity across disciplines as diverse as patristics, ancient history, canon law and oriental studies.

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| 3. Record Nr.           | UNINA9910143879403321   |
| Titolo                  | Computational Methods in Systems Biology : First International Workshop, CMSB 2003, Roverto, Italy, February 24–26, 2003 // edited by Corrado Priami  |
| Pubbl/distr/stampa      | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003  |
| ISBN                    | 3-540-36481-1   |
| Edizione                | [1st ed. 2003.]   |
| Descrizione fisica      | 1 online resource (IX, 214 p.)  |
| Collana                 | Lecture Notes in Computer Science, , 0302-9743 ; ; 2602   |
| Disciplina              | 572.8/0285  |
| Soggetti                | Life sciences<br>Computers<br>Algorithms<br>Logic, Symbolic and mathematical<br>Computer simulation<br>Bioinformatics<br>Life Sciences, general<br>Computation by Abstract Devices<br>Algorithm Analysis and Problem Complexity<br>Mathematical Logic and Formal Languages<br>Simulation and Modeling   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Bibliographic Level Mode of Issuance: Monograph   |
| Nota di bibliografia    | Includes bibliographical references at the end of each chapters and index.  |
| Nota di contenuto       | Invited Papers -- Cells as Computation -- Formal Modeling of C. elegans Development: A Scenario-Based Approach -- Regular Papers -- Causal ?-Calculus for Biochemical Modelling -- Graphs for Core Molecular Biology -- Contribution of Computational Tree Logic to Biological Regulatory Networks: Example from Pseudomonas Aeruginosa -- Modeling Cellular Behavior with Hybrid Automata: Bisimulation and Collapsing -- Multiscale Modeling of Alternative Splicing Regulation -- A Method for Estimating Metabolic Fluxes from Incomplete Isotopomer Information -- Dynamic Bayesian Network and Nonparametric Regression for Nonlinear Modeling of Gene Networks |

from Time Series Gene Expression Data -- Discrete Event Simulation for a Better Understanding of Metabolite Channeling - A System Theoretic Approach -- Mathematical Modeling of the Influence of RKIP on the ERK Signaling Pathway -- A Method to Identify Essential Enzymes in the Metabolism: Application to Escherichia Coli -- Symbolic Model Checking of Biochemical Networks -- Presentation Abstracts -- Coupled Oscillator Models for a Set of Communicating Cells -- Representing and Simulating Protein Functional Domains in Signal Transduction Using Maude -- A Core Modeling Language for the Working Molecular Biologist (Abstract) -- Integrating Simulation Packages via Systems Biology Mark-Up Language -- Recreating Biopathway Databases towards Simulation -- How to Synthesize an Optimized Genetic ?-Switching System? A System-Theoretic Approach Based on SQP -- Simulation Study of the TNF? Mediated NF-?B Signaling Pathway -- Detection and Analysis of Unexpected State Components in Biological Systems -- Model Validation of Biological Pathways Using Petri Nets - Demonstrated for Apoptosis -- An Overview of Data Models for the Analysis of Biochemical Pathways -- Discrete Event Systems and Client-Server Model for Signaling Mechanisms -- Position Papers -- Enhanced Operational Semantics in Systems Biology -- Issues in Computational Methods for Functional Genomics and Systems Biology -- Integrating Biological Process Modelling with Gene Expression Data and Ontologies for Functional Genomics (Position Paper) -- Computer Simulation of Protocells -- How to Solve Semantic Puzzles of Systems Biology -- Evolution as Design Engineer -- Inference, Modeling and Simulation of Gene Networks.

## Sommario/riassunto

Molecular biology has until now mainly focussed on individual molecules, on their properties as isolated entities or as complexes in very simple models systems. However, biological molecules in living systems participate in very complex networks, including regulatory networks for gene expression, intracellular metabolic networks and both intra- and intercellular communication networks. Such networks are involved in the maintenance (homeostasis) as well as the differentiation of cellular systems of which we have a very incomplete understanding. Nevertheless, the progress in molecular biology has made possible the detailed description of the components that constitute living systems, notably genes and proteins. Large-scale genome sequencing means that we can (at least in principle) delineate all macromolecular components of a given cellular system, and microarray experiments as well as large-scale proteomics will soon give us large amounts of experimental data on gene regulation, molecular interactions and cellular networks. The challenge of the 21st century will be to understand how these individual components integrate into complex systems and the function and evolution of these systems, thus scaling up from molecular biology to systems biology. By combining experimental data with advanced formal theories from computer science, "the formal language for biological systems" to specify dynamic models of interacting molecular entities would be essential for: (i) understanding the normal behaviour of cellular processes, and how changes may affect the processes and cause disease - it may be possible to correlate genetic properties and symptoms in new and more efficient ways, based on an actual understanding of how various processes interact; (ii) providing predictability and flexibility to academic, pharmaceutical,

biotechnology and medical researchers studying gene or protein functions. In particular, it may save time by reducing the number of experiments needed, if inadequate hypotheses can be excluded by computer simulation. In response to the call for papers 39 were submitted to CMSB 2003. All the submitted papers were reviewed and the programme committee (listed below) selected 11 high-quality papers for publication in this volume. The care of the reviewers and of the programme committee members in reviewing the papers was surely valuable. A further 11 papers were selected only for presentation at the workshop in order to stimulate discussions (an abstract is included). At the workshop Ehud Shapiro and Michael Stern gave two invited talks whose topics are described in papers included in this volume. The programme committee decided to accept for publication in this volume also some position papers that highlight the research trends in this new field of computational methods in systems biology.

The reason is that because this is the first edition of a workshop in this fast-growing field a large view of potential topics of research was considered extremely important. Rovereto, December 2002

Corrado Priami Programme Committee of CMSB 2003 Corrado Priami (Chair), University of Trento (Italy), Charles Au'ray, CNRS, Villejuif (France), Cosima Baldari, Università di Siena (Italy), Alexander Bockmayr, Université Henri Poincaré (France), Luca Cardelli, Microsoft Research Cambridge (UK), Vincent Danos, Université Paris VII (France), Pierpaolo Degano, Università di Pisa (Italy), Francois Fages, INRIA, Rocquencourt (France), Drablos Finn, Norwegian University of Science and Technology, Trondheim (Norway), Monika Heiner, Brandenburg University of Technology at Cottbus (Germany), Ina Koch, University of Applied Sciences Berlin, (Germany), John E. Ladbury, University College London (UK), Patrick Lincoln, SRI (USA), Satoru Miyano, University of Tokyo (Japan), Gordon Plotkin, University of Edinburgh (UK), Simon Plyte, Pharmacia Corporation (Italy), Aviv Regev, Weizmann Institute of Science (Israel), Magali Roux-Rouquié, BSMIP Pasteur Institute (France), Vincent Schachter, Hybrigenics Paris (France), Masaru Tomita, Keio University (Japan), Adelinde Uhrmacher, University of Rostock (Germany), Alfonso Valencia, CNB-CSIC, Centro Nacional de Biotecnología (Spain), Olaf Wolkenhauer, UMIST, Manchester (UK) Local Organizing Committee Corrado Priami, Linda Brodo, Michela de Concini, Debora Schuch da Rosa Machado, and the University of Trento Events and Meetings Office. List of Referees F. Abascal, N. Chabrier, A. Cimatti, M. Curti, M. D. Devignes, S. Gnesi, J. Guijarro, K. Hafez, E. Klipp, C. Laneve, P. Lopez Romero, F. Luccio, R. Marangoni, M. Padron, M. C. Pinotti, R. Rizzi, S. Tini. Acknowledgement The workshop was sponsored and partially supported by the University of Trento, Comune di Rovereto, APT, and the EU project IST-32072-DEGAS. Table of Contents II Invited Papers Cells as Computation. . . . . 1

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| .....   | 127 | Kwang-Hyun Cho, Sung-Young Shin, Hyun-Woo Kim, Olaf Wolkenhauer, Brian McFerran, and Walter Kolch |
| A Method to Identify Essential Enzymes in the Metabolism: Application to Escherichia Coli. ....   |     |   |
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