

1. Record Nr.	UNINA9910786110503321
Autore	Thies Anne <1975->
Titolo	International trade disputes and EU liability / / Anne Thies [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2013
ISBN	1-107-23457-3 1-107-32667-2 1-107-33560-4 1-107-33239-7 1-107-33311-3 1-107-33643-0 1-107-33477-2 0-511-84207-4
Descrizione fisica	1 online resource (xxix, 223 pages) : digital, PDF file(s)
Collana	Cambridge studies in European law and policy
Classificazione	LAW051000
Disciplina	382/.5094
Soggetti	Foreign trade regulation - European Union countries International commercial arbitration - European Union countries International and municipal law - European Union countries European Union countries Foreign economic relations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Setting the scene : WTO disputes, retaliation and the EU courts' reception of WTO law -- Liability for unlawful conduct: role of the legal remedy and conditions of the right to compensation in the EU legal order -- Enforceability of the EU's WTO law obligations in the EU legal order : EU liability due to WTO law infringement -- The impact of EU general principles on the EU's liability regime I : liability due to infringement of EU general principles -- Impact of EU general principles on the EU'S liability regime II : liability in absence of (invokable) unlawfulness or no-fault liability -- The current situation of retaliation victims and how to fill the gap in judicial protection while respecting the EU institutions' international scope for manoeuvre.
Sommario/riassunto	The European Union has become the respondent of several

international trade disputes. This book examines the right to compensation for damage resulting from retaliatory measures imposed under the system of the World Trade Organization in disputes triggered by the EU. Anne Thies evaluates the implications of the EU's membership in the WTO for its domestic system of rights and judicial protection. Emphasising the necessity of maintaining EU standards of protection independently of the external dimension of EU action, the book offers suggestions on how the current gap of protection could be filled while upholding the scope for manoeuvre of the EU institutions on the international plane. In addition, it places the issue in its broader context of the relationship between international law and EU law on the one hand, and the discretion of the EU as a global actor and standards of individual rights protection under EU law on the other.

2. Record Nr.	UNINA9910830390803321
Titolo	Parallel computing for bioinformatics and computational biology [[electronic resource]] : models, enabling technologies, and case studies // edited by Albert Y. Zomaya
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2006
ISBN	1-280-46270-1 9786610462704 0-470-36220-0 0-471-75650-4 0-471-75649-0
Descrizione fisica	1 online resource (814 p.)
Collana	Wiley series on parallel and distributed computing
Altri autori (Persone)	ZomayaAlbert Y
Disciplina	570.285435 572.8/0285
Soggetti	Bioinformatics Computational biology Parallel processing (Electronic computers)
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 index.

PARALLEL COMPUTING FOR BIOINFORMATICS AND COMPUTATIONAL BIOLOGY; CONTENTS; Preface; Contributors; Acknowledgments; PART I ALGORITHMS AND MODELS; 1 Parallel and Evolutionary Approaches to Computational Biology; 1.1 Introduction; 1.2 Bioinformatics; 1.3 Evolutionary Computation Applied to Computational Biology; 1.4 Conclusions; References; 2 Parallel Monte Carlo Simulation of HIV Molecular Evolution in Response to Immune Surveillance; 2.1 Introduction; 2.2 The Problem; 2.3 The Model; 2.4 Parallelization with MPI; 2.5 Parallel Random Number Generation; 2.6 Preliminary Simulation Results; 2.7 Future Directions; References; 3 Differential Evolutionary Algorithms for In Vivo Dynamic Analysis of Glycolysis and Pentose Phosphate Pathway in Escherichia coli; 3.1 Introduction; 3.2 Mathematical Model; 3.3 Estimation of the Parameters of the Model; 3.4 Kinetic Parameter Estimation by DE; 3.5 Simulation and Results; 3.6 Stability Analysis; 3.7 Control Characteristic; 3.8 Conclusions; References; 4 Compute-Intensive Simulations for Cellular Models; 4.1 Introduction; 4.2 Simulation Methods for Stochastic Chemical Kinetics; 4.3 Aspects of Biology - Genetic Regulation; 4.4 Parallel Computing for Biological Systems; 4.5 Parallel Simulations; 4.6 Spatial Modeling of Cellular Systems; 4.7 Modeling Colonies of Cells; References; 5 Parallel Computation in Simulating Diffusion and Deformation in Human Brain; 5.1 Introduction; 5.2 Anisotropic Diffusion Simulation in White Matter Tractography; 5.3 Brain Deformation Simulation in Image-Guided Neurosurgery; 5.4 Summary; References; PART II SEQUENCE ANALYSIS AND MICROARRAYS; 6 Computational Molecular Biology; 6.1 Introduction; 6.2 Basic Concepts in Molecular Biology; 6.3 Global and Local Biological Sequence Alignment; 6.4 Heuristic Approaches for Biological Sequence Comparison; 6.5 Parallel and Distributed Sequence Comparison; 6.6 Conclusions; References; 7 Special-Purpose Computing for Biological Sequence Analysis; 7.1 Introduction; 7.2 Hybrid Parallel Computer; 7.3 Dynamic Programming Communication Pattern; 7.4 Performance Evaluation; 7.5 Future Work and Open Problems; 7.6 Tutorial; References; 8 Multiple Sequence Alignment in Parallel on a Cluster of Workstations; 8.1 Introduction; 8.2 CLUSTAL W; 8.3 Implementation; 8.4 Results; 8.5 Conclusion; References; 9 Searching Sequence Databases Using High-Performance BLASTs; 9.1 Introduction; 9.2 Basic Blast Algorithm; 9.3 Blast Usage and Performance Factors; 9.4 High Performance BLASTs; 9.5 Comparing BLAST Performance; 9.6 UMD-BLAST; 9.7 Future Directions; 9.8 Related Work; 9.9 Summary; References; 10 Parallel Implementations of Local Sequence Alignment: Hardware and Software; 10.1 Introduction; 10.2 Sequence Alignment Primer; 10.3 Smith-Waterman Algorithm; 10.4 FASTA; 10.5 BLAST; 10.6 HMMER - Hidden Markov Models; 10.7 ClustalW; 10.8 Specialized Hardware: FPGA; 10.9 Conclusion; References; 11 Parallel Computing in the Analysis of Gene Expression Relationships

Sommario/riassunto

Discover how to streamline complex bioinformatics applications with parallel computing. This publication enables readers to handle more complex bioinformatics applications and larger and richer data sets. As the editor clearly shows, using powerful parallel computing tools can lead to significant breakthroughs in deciphering genomes, understanding genetic disease, designing customized drug therapies, and understanding evolution. A broad range of bioinformatics applications is covered with demonstrations on how each one can be parallelized to improve performance and gain faster

