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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Recent Developments in Equilibria Algorithms -- Partially-Specified Large Games -- Exchange Market Equilibria with Leontief's Utility: Freedom of Pricing Leads to Rationality -- A Primal-Dual Algorithm for Computing Fisher Equilibrium in the Absence of Gross Substitutability Property -- Click Fraud Resistant Methods for Learning Click-Through Rates -- Experiments with an Economic Model of the Worldwide Web -- Coordination Mechanisms for Selfish Scheduling -- Economic Mechanisms for Shortest Path Cooperative Games with Incomplete Information -- Truth-Telling Reservations -- Inapproximability Results for Combinatorial Auctions with Submodular Utility Functions -- An

Auction-Based Market Equilibrium Algorithm for a Production Model -- New Algorithms for Mining the Reputation of Participants of Online Auctions -- A Simple Characterization for Truth-Revealing Single-Item Auctions -- Prediction Games -- Walrasian Equilibrium: Hardness, Approximations and Tractable Instances -- On the Structure and Complexity of Worst-Case Equilibria -- Club Formation by Rational Sharing: Content, Viability and Community Structure -- Subjective-Cost Policy Routing -- Economic Analysis of Networking Technologies for Rural Developing Regions -- A Simple Graph-Theoretic Model for Selfish Restricted Scheduling -- A Cost Mechanism for Fair Pricing of Resource Usage -- A Delay Pricing Scheme for Real-Time Delivery in Deadline-Based Networks -- Game-Theoretic Analysis of Internet Switching with Selfish Users -- The Price of Anarchy of Cournot Oligopoly -- Incentives in Some Coalition Formation Games -- Enforcing Truthful Strategies in Incentive Compatible Reputation Mechanisms -- Strategy/False-Name Proof Protocols for Combinatorial Multi-attribute Procurement Auction: Handling Arbitrary Utility of the Buyer -- Practical Zero-Knowledge Arguments from ?-Protocols -- Bayesian Communication Leading to a Nash Equilibrium in Belief -- The Bahncard Problem with Interest Rate and Risk -- Optimal Starting Price in Online Auctions -- Time Interval-Based Prepaid Charging of QoS-Enabled IP Services -- Mining Stock Market Tendency Using GA-Based Support Vector Machines -- Model-Based Analysis of Money Accountability in Electronic Purses -- Applying Modified Fuzzy Neural Network to Customer Classification of E-Business -- Fuzzy Comprehensive Evaluation of E-commerce and Process Improvement -- Application of Integrated Web Services-Based E-business and Web Services-Based Business Process Monitoring -- A Note on the Cramer-Damgård Identification Scheme -- Formal Analysis and Improvement of the State Transition Model for Intrusion Tolerant System -- Secure Fingerprint-Based Remote User Authentication Scheme Using Smartcards -- New Authentication Protocol Providing User Anonymity in Open Network -- Effective Filtering for Collaborative Publishing -- Experimental Evaluation of an eBay-Style Self-reporting Reputation Mechanism -- An Architecture for Evolutionary Adaptive Web Systems -- A Collaborative E-learning System Based on Multi-agent -- A Class of Possibilistic Portfolio Selection Models and Algorithms -- An Empirical Study of Volatility Predictions: Stock Market Analysis Using Neural Networks -- A New Algorithm Based on Copulas for Financial Risk Calculation with Applications to Chinese Stock Markets -- Design of Anonymity-Preserving User Authentication and Key Agreement Protocol for Ubiquitous Computing Environments -- An Efficient Identity-Based Key Exchange Protocol with KGS Forward Secrecy for Low-Power Devices -- To Build a Blocklist Based on the Cost of Spam -- Total Dominating Set Games -- Local Flow Betweenness Centrality for Clustering Community Graphs -- Computerized Collaborative Support for Enhancing Human’s Creativity for Networked Community -- New Results on Online Replacement Problem -- Online Bin Packing of Fragile Objects with Application in Cellular Networks -- Online Algorithms for the Vehicle Scheduling Problem with Time Objective -- On Solving Coverage Problems in a Wireless Sensor Network Using Voronoi Diagrams -- A Computational Model of Mortgage Prepayment Options -- Efficient Algorithms for the Electric Power Transaction Problem -- Looking for Arbitrage or Term Structures in Frictional Markets -- A Framework on Compound Knowledge Push System Oriented to Organizational Employees -- Effective Decision Making by Self-evaluation in the Multi-agent Environment -- Overlay Based Mapping Egress Service Path Between MPLS Domains -- An Adaptive

Group-Based Reputation System in Peer-to-Peer Networks -- A Comparative Study on Marketing Mix Models for Digital Products -- Optimal Pricing for Web Search Engines -- Pricing Strategy of Mixed Traditional and Online Distribution Channels Based on Stackelberg Game -- Packing Trees in Communication Networks -- Truthful Algorithms for Scheduling Selfish Tasks on Parallel Machines -- Incentive Compatible Multiagent Constraint Optimization -- Design of Incentive Compatible Mechanisms for Stackelberg Problems -- Proportional QoS in Differentiated Services Networks: Capacity Management, Equilibrium Analysis and Elastic Demands -- Can “Bill-and-Keep” Peering Be Mutually Beneficial? -- Design of P2P Grid Networking Architecture Using k-Redundancy Scheme Based Group Peer Concept -- An Integrated Classification Method: Combination of LP and LDA -- Cooperation Evolution of Indirect Reciprocity by Discrimination -- Fixed-Point Model and Schedule Reliability of Morning Commuting in Stochastic and Time-Dependent Transport Networks -- Computing Equilibria in a Fisher Market with Linear Single-Constraint Production Units -- Majority Equilibrium of Distribution Centers Allocation in Supply Chain Management -- Traversal Pattern Mining in Web Environment -- An Analysis of Search Engine Switching Behavior Using Click Streams -- Study on Improving Efficiency of Knowledge Sharing in Knowledge-Intensive Organization -- Traffic Models for Community-Based Ranking and Navigation -- On the Efficacy of Detecting and Punishing Selfish Peers -- Semantic Web Recommender System Based Personalization Service for User XQuery Pattern -- Multi-unit Combinatorial Reverse Auctions with Transformability Relationships Among Goods -- Winner Determination in Discount Auctions -- On the Competitive Ratio of the Random Sampling Auction -- The Pricing Strategies for Agents in Real E-commerce -- Why Do Information Gatekeepers Charge Zero Subscription Fees? -- Cost-Driven Web Service Selection Using Genetic Algorithm -- On Modeling Internet QoS Provisioning from Economic Models -- Metadata and Information Asset for Infomediary Business Model on Primary Product Market -- On Protection of Threatened Unstructured Overlays: An Economic Defense Model and Its Applications -- Outsourcing Internet Security: Economic Analysis of Incentives for Managed Security Service Providers -- Secure Construction of Virtual Organizations in Grid Computing Systems -- A Graph-Theoretic Network Security Game -- Nash Equilibria and Dominant Strategies in Routing -- Atomic Selfish Routing in Networks: A Survey -- Heuristic Approaches to Service Level Agreements in Packet Networks -- A Fixed Point Approach for the Computation of Market Equilibria -- New Results on the Complexity of Uniformly Mixed Nash Equilibria -- Nash Equilibria in All-Optical Networks -- Price of Anarchy, Locality Gap, and a Network Service Provider Game -- Network Traffic Analysis and Modeling for Games -- Price of Anarchy of Network Routing Games with Incomplete Information -- General Equilibrium for Economies with Harmful Overconsumption -- Expectations, Asymmetries, and Contributions -- A Quantile-Data Mapping Model for Value-at-Risk Based on BP and Support Vector Regression.

Sommario/riassunto

WINE 2005, the First Workshop on Internet and Network Economics (WINE 2005), took place in Hong Kong, China, December 15-17, 2005. The symposium aims to provide a forum for researchers working in Internet and Network Economic algorithms from all over the world. The final count of electronic submissions was 372, of which 108 were accepted. It consists of the main program of 31 papers, of which the submitter email accounts are: 10 from edu (USA) accounts, 3 from hk

(Hong Kong), 2 each from il (Israel), cn (China), ch (Switzerland), de (Germany), jp (Japan), gr (Greece), 1 each from hp. com, sohu. com, pl (Poland), fr (France), ca (Canada), and in (India). In addition, 77 papers from 20 countries or regions and 6 dot. coms were selected for 16 special focus tracks in the areas of Internet and Algorithmic Economics; E-Commerce Protocols; Security; Collaboration, Reputation and Social Networks; Algorithmic Mechanism; Financial Computing; Auction Algorithms; Online Algorithms; Collective Rationality; Pricing Policies; Web Mining Strategies; Network Economics; Coalition Strategies; Internet Protocols; Price Sequence; Equilibrium. We had one best student paper nomination: “Walrasian Equilibrium: Hardness, Approximations and Tracktable Instances” by Ning Chen and Atri Rudra. We would like to thank Andrew Yao for serving the conference as its Chair, with inspiring encouragement and far-sighted leadership. We would like to thank the International Program Committee for spending their valuable time and effort in the review process.