

2007-2008 Grant Information					
PI	Sponsor Name	Awarded Start Date	Awarded End Date	Total	Project Title
Arms, William	NSF	10/1/2006	9/30/2007	\$120,000	SGER: Exploratory Research: Using the Cyberinfrastructure to build a Full Text Index to the Web
Arms, William	NSF	10/1/2007	9/30/2010	\$879,657	III-CXT: Computer Science Research using the Cornell Web Lab to Study Social and Informational Processes on the Web
Bala, Kavita	Intel Corporation	7/1/2006	6/30/2012	\$50,000	Efficiently Parallelizing Graphics Applications for Multicore Processors
Bala, Kavita	NSF	1/1/2007	7/31/2009	\$432,927	CSR-AES: Parallelizing Irregular Applications for Multicore Processors
Bala, Kavita	NSF	2/1/2007	1/31/2012	\$450,000	CAREER: Scalable Rendering for Visual Realism in Scale-Complex Scenes
Bala, Kavita	NIST	5/1/2007	9/30/2007	\$7,580	NIST Summer Undergraduate Research Fellowship Program
Birman, Kenneth	NSF	9/1/2004	8/31/2009	\$150,000	NETS-NOSS: Ultra Low-Power Self-Configuring Wireless
Birman, Kenneth	NSF	6/1/2005	5/31/2010	\$3,040,000	Team for Research in Ubiquitous Secure Technology (TRUST)
Birman, Kenneth	Intel Corporation	7/1/2005	6/30/2008	\$180,000	Using QuickSilver to Support Autonomic Services in Clusters
Birman, Kenneth	AFRL	2/28/2006	9/30/2008	\$1,100,000	Widely Distributed Scalable Infospaces: CASTOR
Birman, Kenneth	AFOSR	4/1/2006	2/28/2009	\$1,199,333	Partnership for Research Excellence and Transition (PRET) in Software and Security
Birman, Kenneth	DAROA	5/2/2008	9/30/2008	\$59,472	RAPID
Cardie, Claire	NSF	11/15/2005	4/30/2010	\$825,000	Natural Language Processing Support for eRulemaking
Cardie, Claire	DHS	10/16/2006	8/30/2009	\$563,242	Information Extraction of Events and Beliefs from Text
Cardie, Claire	NSF	11/15/2006	10/31/2009	\$685,991	Dynamics of Deception in Compute- Mediated Environments
Caruana, Rich	NSF	6/15/2004	5/31/2009	\$492,000	CAREER: Meta Clustering: Improving User Efficiency on Real-World Clustering Applications
Caruana, Rich	NSF	8/15/2004	7/31/2008	\$276,000	Optimizing Classification Models to Application-Specific Performance Metrics
Caruana, Rich	NSF	9/15/2004	8/31/2009	\$2,691,684	ITR-(ASE+EVS)- (dmc+sim): Tracking Environmental Change through the Data Resources of the Bird-monitoring Community
Caruana, Rich	NSF	9/1/2007	8/31/2010	\$500,000	CSR - SMA Computer Architecture Optimization: A Machine Learning Approach
Chew, Leslie	NSF	9/1/2004	8/31/2009	\$1,393,410	ITR-(ASE)-(sim+dmc): Collaborative Research: Algorithms for Large-Scale Simulations of Turbulent Combustion
Constable, Robert	NSF	8/1/2006	1/31/2009	\$180,000	CSR-EHS: Developing a Theory of Events to Improve Distributed Systems
Constable, Robert	AFRL	9/15/2007	6/14/2008	\$30,190	Scalable Formal Methods for Distributed Systems
Constable, Robert	AFRL	5/22/2008	10/21/2012	\$989,000	Formally Generating Adaptive Security Protocols
Demers, Alan	NSF	9/15/2004	8/31/2009	\$1,799,183	Petabyte Storage Services For Data-Driven Science
Demers, Alan	NSF	2/15/2006	1/31/2010	\$500,000	Hilda: A High-Level Language for Data-Driven Web Applications
Elber, Ron	NIH	3/1/2004	2/29/2008	\$64,536	Long Time Dynamics of Biomolecules
Elber, Ron	Human Frontier Sci Program	4/10/2007	4/9/2008	\$44,500	Biophyscial and Bioinformatic Methods for Protein Structure Refinements
Francis, Paul	AFRL	6/23/2006	12/14/2008	\$500,000	CBMANET
Francis, Paul	NSF	9/1/2006	8/31/2009	\$300,000	NeTS-FIND: Collaborative Research: Towards Complexity Oblivious Network Management
Gehrke, Johannes	NSF	6/1/2002	9/30/2007	\$1,977,700	Distributed Mining and Monitoring
Gehrke, Johannes	NSF	9/1/2002	8/31/2007	\$340,000	CAREER: Towards Sensor Database Systems
Gehrke, Johannes	AF	3/1/2006	11/30/2008	\$600,000	Stateful Publish-Subscribe for XML Data Streams
Gehrke, Johannes	NSF	7/1/2006	6/30/2008	\$200,000	A Formal Approach to Data Stream Processing
Gehrke, Johannes	NSF	9/15/2006	8/31/2010	\$488,950	CT-T: Collaborative Research: Preserving Utility While Ensuring Privacy for Linked Data
Gehrke, Johannes	DHS	4/1/2007	7/31/2009	\$550,000	Distributed Monitoring for Human Behavior, Insider Threat and Awareness
Gehrke, Johannes	AFOSR	5/1/2007	11/30/2009	\$608,333	Scalable Simulations of Dynamics of Relationships
Gehrke, Johannes	Microsoft	6/1/2007	5/31/2008	\$200,000	Scalability in Computer Games and Simulations
Gehrke, Johannes	NYSTAR	11/1/2007	10/31/2010	\$748,300	From Web 2.0 to Games 2.0
Ginsparg, Paul	NSF	10/1/2004	9/30/2009	\$796,395	Classification, Analysis and Navigation Tools for Physics Research Communication
Ginsparg, Paul	Microsoft	7/1/2006	5/30/2009	\$1,259,869	TCI Proposal for Scholarly Communication Collaboration Between Cornell University and Microsoft Corporation
Gomes, Carla	AFOSR	3/1/2004	2/28/2008	\$3,870,000	Intelligent Information Systems Institute
Gomes, Carla	NYSTAR	7/1/2007	6/30/2008	\$30,000	Computational Intelligence for Print Shop Workflows
Gomes, Carla	Kodak	8/1/2007	7/31/2008	\$170,000	Computational Intelligence for Print Shop Workflows

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Gomes, Carla	AFOSR	4/1/2008	11/30/2010	\$419,987	Bridging the Gap Between Theory and Practice: Structure and Randomization in Large Scale Combinatorial Search
Gries, David	NSF	1/1/2007	6/30/2010	\$397,737	BPC Worlds for Information Technology and Science (WITS)
Guckenheimer, John	NSF	10/1/2003	9/30/2009	\$3,468,400	IGERT: Program in Nonlinear Systems
Halpern, Joseph	AFOSR	1/1/2005	6/30/2008	\$429,818	Reasoning About Authorization and Security
Halpern, Joseph	NSF	10/15/2005	9/30/2009	\$394,733	Taking Awareness, Language, and Novelty into Account in Decision-Making and Game Theory
Halpern, Joseph	NSF	4/1/2007	3/31/2008	\$8,000	2nd Northeast Student Colloquium on Artificial Intelligence
Halpern, Joseph	NSF	4/1/2008	3/31/2009	\$10,000	The Third Northeast Student Colloquium on Artificial Intelligence
Hopcroft, John	NSF	4/1/2006	3/31/2010	\$475,000	The Analysis and Modeling of Large Linked Networks
Hopcroft, John	AFOSR	2/1/2007	11/30/2009	\$374,974	Information Forensics
Huttenlocher, Daniel	NSF	1/1/2006	12/31/2009	\$1,999,990	Very Large Semi-Structured Datasets for Social Science Research
Huttenlocher, Daniel	NSF	5/1/2006	10/31/2007	\$100,000	SGER: Recognizing Objects by Simultaneously Combining Appearance and Geometry
Huttenlocher, Daniel	NYSTAR	7/1/2007	6/30/2008	\$30,000	Detection and Localization of Visual Object Categories in Photographic Images
Huttenlocher, Daniel	Eastman Kodak Company	8/15/2007	8/14/2008	\$76,409	Detection and Localization of Visual Object categories in Photographic Images
Huttenlocher, Daniel	NSF	9/1/2007	8/31/2010	\$448,819	RI: A Context-Based Approach to the Recognition and Localization of Visual Object Categories
James, Douglas	NSF	8/1/2006	7/31/2009	\$236,440	CAREER: Precomputing Data-Driven Deformable Systems for Multimodal Interactive Simulation
James, Douglas	NSF	9/1/2006	8/31/2009	\$119,000	EMT CompBio: Reality-based Data-driven Computer Models for Surgical Simulation
James, Douglas	Alfred P. Sloan Foundation	9/16/2006	9/15/2010	\$45,000	Sloan Research Fellowship
James, Douglas	DHHS	10/1/2006	6/30/2010	\$375,000	Data-Driven Real-Time Surgical Simulation from Reality-Based Soft-Tissue Models
James, Douglas	BPW	12/18/2006	12/31/2007	\$75,000	Interactive Deformable Object Simulation for Aerospace Applications
Joachims, Thorsten	NSF	9/1/2003	8/31/2008	\$400,000	CAREER: Improving Information Access by Learning from User Interactions
Joachims, Thorsten	NSF	8/15/2004	7/31/2008	\$270,000	Discriminative Methods for Learning with Dependent Outputs
Joachims, Thorsten	NSF	10/1/2005	9/30/2007	\$22,000	Efficient Non-Parametric Revelation of Ordinal Preferences
Joachims, Thorsten	NSF	6/1/2007	5/31/2010	\$405,000	RI: Learning Structure to Structure Mappings
Keich, Uri	NSF	7/1/2007	6/30/2012	\$644,880	CAREER: Improving the Performance of Motif Finding Tools through Novel Reliable Significance Estimation and a Study of DNA Replication Origins
Kleinberg, Robert	NSF	8/1/2007	7/31/2010	\$250,000	Combinatorial and Algorithmic Aspects of Network Coding
Kleinberg, Robert	NSF	9/1/2007	8/31/2012	\$400,000	CAREER: Algorithms for Environments with Incomplete Information
Kleinberg, Robert	BSF	10/1/2007	9/30/2011	\$53,000	Impossibilities and Alternative Solution Concepts for Algorithmic Mechanism Design
Kozen, Dexter	NSF	10/15/2006	9/30/2010	\$250,000	Specialized Logics for Applications in Computer Science
Kozen, Dexter	AFOSR	6/1/2007	9/14/2009	\$225,000	AppMon: Application Monitors for Not-Yet Trusted Software
Krafft, Dean	NSF	1/1/2003	12/31/2007	\$8,845,453	Collaborative Project: Core Integration - Leading NSDL Toward Long-Term Success
Krafft, Dean	IMLS	10/1/2005	9/30/2009	\$58,788	VolTS Partnership with NSDL
Krafft, Dean	Moore Foundation	11/1/2007	12/31/2009	\$901,891	Fedora Commons Durable Platform for Collections, Collaboration, and Publications
Krafft, Dean	NSF	1/1/2008	2/28/2010	\$20,000	NSDL Core Integration Team
Krafft, Dean	NSF	5/1/2008	10/31/2009	\$175,002	SGER: Increasing the Educational Impact of NSF-funded Research
Lagoze, Carl	NSF	9/15/2004	8/31/2008	\$1,297,550	II: Pathways
Lagoze, Carl	Andrew Mellon Foundation	10/1/2006	9/30/2009	\$524,000	Pathways Fabric: Augmenting Interoperability Across Scholarly Repositories
Lagoze, Carl	NSF	1/1/2007	6/30/2009	\$2,263,583	Partial Supplemental Request 2007
Lagoze, Carl	Microsoft	8/1/2007	12/31/2007	\$76,000	ORE - Object Reuse & Exchange 'Acceleration' Project
Lagoze, Carl	NSF	8/1/2007	7/31/2010	\$403,152	Beyond Penguins and Polar Bears: Literacy and IPY
Lagoze, Carl	NSF	9/1/2007	1/31/2009	\$100,000	SGER: Advancing the State of eChemistry: Workshop and Pilot Study
Lagoze, Carl	Microsoft	2/1/2008	1/31/2010	\$255,362	ORE-based eChemistry
Lee, Lillian	NSF	9/1/2003	8/31/2007	\$449,897	Graph-Based Approaches to Text Processing
Marschner, Stephen	NSF	2/15/2004	1/31/2010	\$412,000	CAREER: Modeling the Properties and Appearance of Materials

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Marschner, Stephen	NSF	2/1/2006	1/31/2010	\$300,000	Unifying Geometric and Volumetric Light Scattering for Accurate Rendering of Dense Geometry
Marschner, Stephen	Alfred P. Sloan Foundation	9/16/2006	9/15/2009	\$45,000	Sloan Research Fellowship
Marschner, Stephen	NSF	7/1/2007	6/30/2010	\$300,000	Accurate and Efficient Visual Simulation of Fiber-based Mechanical Structures
Marschner, Stephen	Unilever, Inc.	10/1/2007	9/30/2010	\$666,887	Optics and Computer Visualization of Hair and Textiles
Myers, Andrew	NSF	9/1/2004	8/31/2009	\$160,000	Integrating Security and Fault Tolerance in Distributed Systems
Myers, Andrew	NSF	2/1/2006	1/31/2010	\$374,915	Compiler and Run-Time Support for Memory Management Using Explicit Memory Reclamation
Myers, Andrew	NSF	9/1/2006	8/31/2009	\$350,000	CT-ISG: Diaspora: A Secure, Reliable Federated Execution Platform and Object Store
Myers, Andrew	AFRL	2/1/2007	8/4/2009	\$596,007	Accountable Information Flow for Java-Based Web Applications
Pass, Rafael	DHS	4/1/2007	7/31/2009	\$400,000	Secure Identity Management Infrastructure
Pass, Rafael	BSF	10/1/2007	9/30/2011	\$49,000	Composition of Cryptographic Protocols
Pass, Rafael	AFOSR	12/1/2007	11/30/2010	\$396,000	Concurrent Security of Cryptographic Protocols: From Foundations to Practice
Pass, Rafael	NSF	2/15/2008	1/31/2013	\$450,000	CAREER: Computation and Collaboration in the Era of the Internet
Payette, Sandra	Mellon	3/7/2007	3/31/2010	\$514,000	Fedora Service Framework: Filling out the Blueprint for Next-Generation Scholarly Communication Systems
Riedewald, Mirek	NSF	8/1/2006	7/31/2010	\$987,334	SEI+II: Ecological Discovery & Inference: Tools for Data-driven Exploration and Testing of Observational Data
Riedewald, Mirek	NSF	9/1/2007	1/1/2009	\$143,953	SGER: Finding Interesting Patterns through Analysis of Complex Prediction Models
Rugina, Radu	NSF	1/1/2007	1/31/2008	\$43,593	NGS: A System for Semi-Automatic Application-Level Checkpointing of Parallel Programs
Schneider, Fred	ONR	7/9/2001	9/30/2007	\$4,247,977	Language-Based Security for Malicious Mobile Code
Schneider, Fred	AF	12/1/2005	11/30/2009	\$773,378	From Fault-tolerance to Attack Tolerance
Schneider, Fred	AF	1/1/2007	6/30/2008	\$100,000	AFRL/Cornell Information Assurance Institute (IAI)
Schneider, Fred	EU	1/1/2007	12/31/2014	\$950,000	Information Access Disruptions Enabling Technology and Emerging Services in the Information Age
Schneider, Fred	AFRL	6/4/2007	5/15/2009	\$1,200,000	Nexus Operating System for Trustworthy Computing
Schneider, Fred	Microsoft	6/28/2007	5/31/2010	\$216,635	Operating Systems that leverage Trusted Co-Processors
Schneider, Fred	Microsoft	6/28/2007	5/31/2010	\$216,649	Trustworthy Distributed Services
Schneider, Fred	AF	7/1/2007	8/31/2008	\$75,000	Homogeneous Enclave Software vs Controlled Heterogeneous Enclave Software
Selman, Bart	DARPA	6/8/2004	6/7/2009	\$1,606,256	Boosting Reasoning Technology Through Randomization, Structure Discovery, and Hybrid Strategies
Selman, Bart	NSF	8/15/2007	7/31/2010	\$405,000	RI: Extending the Reach of SAT Technology - Quantification, Counting, and Sampling
Sengers, Phoebe	NSF	2/15/2003	1/31/2009	\$500,000	CAREER: Using Cultural Theory to Design Everyday Computing
Sengers, Phoebe	NSF	1/1/2006	12/31/2009	\$300,000	Collaborative Research: Closing the Affective Gap
Sengers, Phoebe	NSF	2/1/2006	1/31/2008	\$11,963	The open world - The World of Open Systems
Sirer, Emin	NSF	2/1/2006	1/31/2011	\$400,000	CAREER: Building Robust, High-Performance Infrastructure Services through Informed Resource Tradeoffs
Sirer, Emin	NSF	9/15/2006	8/31/2009	\$400,000	CT-ISG: Nexus: A New Operating System for Trusted Computing
Tardos, Eva	NSF	9/1/2003	8/31/2009	\$2,468,677	ITR: Networks of Strategic Agents: Theory and Algorithms
Tardos, Eva	NSF	1/1/2005	9/30/2007	\$375,000	Network Games and Approximation Algorithms
Tardos, Eva	NSF	8/1/2007	7/31/2010	\$275,000	Games on Networks and Quantifying the Resulting Solutions
Tardos, Eva	ONR	10/1/2007	9/30/2010	\$450,000	Network Games and Approximation Algorithms 2
Van Loan, Charles	NSF	6/1/2008	5/31/2009	\$20,000	Early Career Support for the Householder XVII Symposium
Vavasis, Stephen	NSF	8/1/2004	7/31/2008	\$500,000	MSPA-MCS: Automatic Geometric Simplification
White, Walker	NSF	8/1/2007	7/31/2010	\$800,000	Design Methodologies for Scalability in Computer Games
Zabih, Ramin	DHHS	1/1/2008	5/15/2008	\$30,019	Memorandum of Agreement: Collaborations Involving Co-Investigators from Cornell's Ithaca Campus and Weill Medical College