# Dennis E. Shasha

**Julius Silver Professor of Computer Science**

**Courant Institute of Mathematical Sciences, New York University** **shasha@courant.nyu.edu**

**Education**

Harvard University, Cambridge, Mass USA Applied Mathematics Ph.D. 1984 Syracuse University, Syracuse, New York USA Computer Science M.S. 1980

Yale University, New Haven, Conn, USA Engineering and Applied Science B.S. 1977

# Appointments

2018 -Present Julius Silver Professor of Computer Science and Data Science, New York University

1995- Present Professor, Courant Institute of Mathematical Sciences, New York University

2006-2007 Invited Professor, INRIA, Roquencourt, France 1998-1999 Invited Professor, INRIA, Roquencourt, France 1992-1993 Invited Professor, INRIA, Roquencourt, France

1993- Present Co-Editor-in-Chief (with Gottfried Vossen and Felix Naumann) of Information Systems. Publisher: Elsevier North Holland

# Relevant Publications (machine learning, network analysis)

1. *"SafePredict: A Meta-Algorithm for Machine Learning That Uses Refusals to Guarantee Correctness"*,

By Mustafa Anil Kocak, David Ramirez, Elza Erkip, Dennis Shasha **IEEE Transactions on Pattern Analysis and Machine Intelligence** 2019 doi: 10.1109/TPAMI.2019.2932415

1. “*Network Walking charts transcriptional dynamics of nitrogen signaling by integrating validated and predicted genome-wide interactions"* by Matthew Brooks, Jacopo Cirrone, Angelo Pasquino, Jose Alvarez, Joseph Swift, Shipra Mittal, Che-Lun Juang, Kranthi Varala, Rodrigo Gutierrez, Gabriel Krouk, Dennis Shasha, and Gloria Coruzzi [Paper NCOMMS-18-23259B] **NATURE COMMUNICATIONS** (2019) 10:1569[*https://doi.org/10.1038/s41467-019-09522*](https://doi.org/10.1038/s41467-019-09522) *April 5, 2019*
2. *“Fast Methods for Finding Significant Motifs on Labelled multi-relational networks”*

Giovanni Michale, Alfredo Pulvirenti, Rosalba Giugno, Dennis Shasha

**Journal of Complex Networks, cnz,** <http:////dor.org/10.1093/comnet/cnz008>, 13 March 2019

1. *“Conjugate conformal prediction for online binary classification.”* By M. A. Kocak, D. Shasha, and E. Erkip. Conference on Uncertainty in Artificial Intelligence, UAI 2016, July 2016.

# Other Publications

* 1. *"VersionClimber: Version Upgrades Without Tears"* Christophe Pradal , Sarah Cohen-Boulakia , Patrick Valduriez , Dennis Shasha **Computing in Science & Engineering** SEPTEMBER/OCTOBER 2019 Volume: 21, Issue:5 pp 87-93 Print ISSN: 1521-9615 Online ISSN: 1558-366X doi: 10.1109/MCSE.2019.2921898
	2. *Crowdsourcing Thousands of Specialized Labels: a Bayesian active training approach* Maximilien Servajean, Alexis Joly, Dennis Shasha, Julien Champ, Esther Pacitti **IEEE Transactions on Multimedia**, Volume: 19, Issue: 6, June 2017, pp. 1376-1391
	3. *“ParCorr: Efficient Parallel Methods to Identify Similar Time Series Pairs across Sliding Windows”* Djamel Edine Yagoubi, Reza Akbarinia, Boyan Kolev, Oleksandra Levchenko, Florent Masseglia, Patrick Valduriez, Dennis Shasha **Data Mining and Knowledge Discovery** September 2018, Volume 32, Issue 5, pp 1481-1507 <https://doi.org/10.1007/s10618-018-0580-z>
	4. *"Point Pattern Search in Big Data"* Fabio Porto, John Rittmeyer, Eduardo Ogasawara, Alberto Krone-Martins, Patric Valduriez, Dennis Shasha **Scientific and Statistic Database Management**, June 2018, Bolzano-Bozen, Italy

# Synergistic Activities:

1. Co-Editor-in-Chief, *Information Systems Journal*
2. 2015-2020 INRIA International Chair
3. 2014- ACM Fellow