



# MARK GIANTURCO, PHD

## Affiliated Expert



Since the mid-1990s, Dr. Gianturco has been a nationally recognized technologist, driving iDS's technology strategy with vision and expertise. His leadership fuels innovation and excellence across all technological endeavors.

With a Master's in Information Systems and a Ph.D. in Information Technology, Dr. Gianturco's educational foundation underpins his trailblazing work in discovery. Before joining iDS, he served as CTO for leading software development firms specializing in life sciences analytics, where he established corporate technology subsidiaries and spearheaded the architecture, design, and implementation of cutting-edge software products.

His extensive experience continually enriches iDS's technological landscape. As an adjunct faculty member at George Mason University, a sought-after speaker on emerging technologies, and a published expert in software engineering, his influence spans far and wide. He is also a court-appointed expert in software plagiarism, computer forensics, eDiscovery issues, and software development.

Dr. Gianturco's unparalleled knowledge and insights make him an invaluable asset to the iDS team.

iDiscovery Solutions, Inc.

571.216.4352

[mgianturco@idsinc.com](mailto:mgianturco@idsinc.com)

[in](#) Profile on LinkedIn

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## EXPERT WITNESS HIGHLIGHTS

1. Source Code Analysis, Junda v LivWell, 2022. Retained to review multiple codebases, and provide an expert opinion on potential software plagiarism for the defense. Engagement expanded to review previous plaintiff expert report, and provide report on same in preparation for Daubert challenge by the defense.
2. Software Patent Examination, OsteoPlastics v Conformis, 2022. Analyzed software source code, provided expert report and testified on software operation for the defense in this potential patent infringement case. Provided source of truth evidence to prove defense contentions on software novelty and independent approach to software functionality. Further utilized to provide knowledge for personnel on sophisticated software algorithms and processes within the codebase.
3. USPTO – Seated Technologies v Seated, 2021. On this action in front of the USPTO Trademark Trial and Appeal Board, examined specimens and supporting source code for the plaintiff challenging a trademark granted to the defense. Was able to prove through source code repositories and image analysis that trademark was not “in use” in timeframe indicated by defense.
4. Software Plagiarism, HP Tuners v Cannata, 2020. Wrote report analyzing software code to resolve issues of authorship for the defendants, and provided testimony on same.
5. Software Plagiarism, Bell v. Digital, 1997. Wrote report and testified for plaintiff in successful action. Analyzed source code and created statistical metrics as domain expert for the plaintiff, provided report that established theft of software code with statistical certainty.
6. Declaration on Defensibility of Electronic Discovery, Nycomed v Glenmark, 2010. Working for the plaintiff in the case, provided three declarations assessing e-discovery efforts for an IP case. Court cited declarations directly, ruling in support of declaration conclusions.
7. Electronic Discovery Workflow Analysis Declaration, Lloyds et Al v Abramoff, 2009. Provided declaration on standards for electronic discovery process and metrics for analysis of same.
8. Data and Forensic Expert, Wachovia v. Seacrest, 2006. Retained as independent court appointed expert to forensically acquire, review and assess electronic data as specified in agreed protocols, to help resolve intellectual property matters in dispute in this Georgia case.
9. Data and Forensic Expert, Purafil v. Jameson, 2005. Retained as court-appointed expert to forensically acquire and analyze data from multiple computers, and provide results to all parties, in connection with an intellectual property case in superior court in Georgia.



## EDUCATION

- BS in Computer Science, College of William and Mary
- MS in Information Systems, George Mason University
- PhD in Information Technology (SDLC and Cloud research), George Mason University
- PMP Certification, Project Management Institute (PMI)
- Executive Leadership Certification, College of William and Mary
- Several Technology Certifications

## PROFESSIONAL AFFILIATIONS

- Institute for Electrical and Electronics Engineers (IEEE)
- Association for Computing Machinery (ACM)
- International High Technology Crime Investigation Association (HTCIA)
- Washington Area CTO Roundtable
- Project Management Institute

## PUBLICATIONS AND LECTURES

1. "How to Ensure Success on Security, Technology and Forensics Projects", Techno-Security Conference, Myrtle Beach, South Carolina, June 2021.
2. "AI for Good: Harnessing Power to Solve Problems", South by Southwest Conference (SXSW), Austin, TX, March 2017.
3. "Protecting Children with Biometrics", International Biometric Conference, London, England, October 2016.
4. "Managing Infrastructure Risks During Cloud Adoption", Techno-Security Conference, Myrtle Beach, SC, June 2015.
5. "Machine Learning and Visualizations", LegalTech Conference, New York City, February 2015.
6. "Managing Enterprise-Wide Unstructured Data", General Counsel Conference, New York City, June 2014.
7. "GRC and Big-Data Analytics", Guest Lecturer, U Albany, Spring 2014.
8. "Infrastructure Development and Evolution", Seminar Leader, Rensselaer Polytechnic Institute, Troy, New York, Spring 2013, Fall 2013.



9. "HIPAA and HiTech Compliance", HIMSS Seminar, December 2011.
10. "Web-based Infrastructure and Software Development", Masters-level CS, George Mason University, Fall, 2010.
11. "Should You Fear the Cloud: Legal, Technical and Governance Risks", Techno-Security Conference, Myrtle Beach, South Carolina, June 2010.
12. "Computing Technology Trends and Structured Data Analysis", HTCIA Mid-Atlantic, Arlington, VA, March 2010.
13. "Optimizing IT and Security Operations for Success in E-Discovery", Techno-Security Conference, Myrtle Beach, South Carolina, June 2009.
14. "Search and Retrieval Methodologies", Member of The Sedona Conference Working Group on Electronic Document Retention and Production, April 2006.
15. "Pattern-Based Modeling and Application Generation for Web-Based Software Product Lines", UMI, Ann Arbor, Michigan, 2004.
16. "Domain Modeling for World Wide Web Based Software Product Lines with UML", Proc. 7th International Conference on Software Reuse, Austin, TX, Apr 2002 (Co-author w/ H. Gomaq).
17. "Software Development in the Real World: How to Build High-Quality Commercial Software Systems Quickly and Efficiently", American University, Guest Lecturer, Spring 1995, 1996.

