

JOHNETTE HASSELL, Ph.D.

SUMMARY OF EXPERIENCE

- Over 45 years experience in the computer and software industries.
- Holds a doctorate in mathematics from Tulane University.
- More than 43 years teaching experience at the university level, the majority of which have been in computer science.
- Qualified as expert in Louisiana, Texas, Colorado, Missouri, and New York. Areas of expertise: e-Discovery (Federal), computer forensics, computer science, and technical communication.
- Experienced as e-discovery liaison.
- Uses cutting edge technology that can reduce the costs of document review by an average of 25%.
- Taught, researched, and evaluated a variety of programming languages, including Java, C++, C, Pascal, Fortran, various assembly languages, Cobol and various database languages; published two textbooks.
- Evaluated and has used a variety of operating systems, including Vista, Windows XP and 2000, Windows 95, OS X, Unix, and older mainframe and microcomputer operating systems.
- Director of a university computer center with both operational and development responsibilities.
- Developed and taught internal education programs for a major computer manufacturer.
- Published in mathematics journals, computer science journals, and law journals.
- Conducted and published research funded by both government (local and federal) and industry.
- Chaired the Tulane University Department of Computer Science with responsibilities for computer science degrees, bachelor through doctorate, and for computer engineering degrees at the bachelor level.
- Highly rated lecturer in continuing legal education seminars.
- Extensive litigation support experience; involved in over 130 cases during the past 24 years. Has been deposed on numerous occasions and has testified at both bench and jury trials in state and federal court.

CONTACT INFORMATION

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JHassell@ElectronicEvidenceRetrieval.com

PROFESSIONAL EXPERIENCE

- 2000 to Present** **Electronic Evidence Retrieval, L.L.C**
Founder and CEO
- 1996 to 2002** **Clarity Technical Services, Inc.**
1997 to 2002 President, Clarity EUS
1996 to 2002 Lead Instructional Designer
- 1979 to 2006** **Tulane University**
1995 to 2006 Associate Professor, Electrical Engineering and Computer Science
1991 to 1995 Assistant Dean, Engineering and Computer Science
1996 to 2006 Joint Judicial Board
1984 to 1995 Department Head, Computer Science
1979 to 1995 Associate Professor, Computer Science
2006 (Fall) Adjunct Professor of Electrical Engineering and Computer Science
- 1985 to 1990** **Bell Northern Research (Nortel)**
Researcher, Summer Fellow
- 1981 to 1999** **IBM**
Consultant, Author, Instructor
- 1980 to 1983** **US Army Corps of Engineering**
Consultant, Software Developer
- 1979 to 1980** **National Science Foundation**
Post Doctoral Fellow
- 1976** **Lawrence Livermore Laboratories**
Summer Fellow
- 1975 to 1979** **Xavier University of Louisiana**
Chairperson, Computer Science
Associate Professor, Computer Science
Director, Academic Computing
- 1971 to 1975** **Tulane University**
Graduate Teaching Assistant

Johnette Hassell, Ph.D.
Curriculum Vitae

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- 1970 to 1971** **Hardin Simmons University**
Assistant Professor, Computer Science
Chairperson, Computer Science
Computer Center Director
- 1966 to 1970** **Louisiana College**
Assistant Professor, Mathematics
- 1966 to 1967** **Louisiana State University**
Instructor, Mathematics
- 1965 to 1966** **Hardin Simmons University**
Instructor, Mathematics

EDUCATION

Ph.D., Mathematics, Tulane University, 1975
MS, Mathematics, Texas Tech University, 1965
BA, Mathematics, Texas Tech University, 1964

Computer and Enterprise Investigations Conference, Labs (Computer Forensics and e-Discovery), 2010
Windows Forensics (XP), Access Data, 2008
Internet Forensics, Access Data, 2008
Vista Forensics, Access Data, 2008
Computer and Enterprise Investigations Conference, EnCase Labs, 2008
Forensic Boot Camp Vista, Access Data, 2008
Advanced Computer Forensics, Access Data, 2007
Computer and Enterprise Investigations Conference, EnCase Labs, 2006
Advanced Computer Forensics, Guidance Software Inc., 2005
Techno/Security 2005, EnCase Labs
Intermediate Analysis and Reporting, Guidance Software Inc., 2005
Techno/Security 2004, EnCase Labs
Forensic Boot Camp, Access Data, 2004
Forensic Computer Science Workshop, New Technologies, Inc., 2000

LITIGATION SUPPORT EXPERIENCE

Disclosed as a testifying expert in more than 130 cases. Experience includes:

- Research, evaluations, reports and testimony at deposition and trial.
- Cases for both plaintiff and defendant, court appointed, civil, and criminal.
- Cases involving copyright, patent, and trade secret infringement matters.

- Accepted as expert in e-discovery in federal court.
- Qualified as an expert in computer forensics, e-discovery, and computer science: Louisiana, Texas, Colorado, Missouri, and New York.
- Retained as e-discovery liaison.
- Support for industries in telecommunications, engineering, international banking, structural engineering, data warehousing, energy, and medical billing.
- Originated techniques for quantifying claims of copying computer code and attendant manuals.
- Evaluation of software and manuals for trade secret infringement and for software copyright infringement.
- Analysis of invalidity and infringement in patent cases.
- Performance of file decryption and data recovery.
- Imaging of computer disks and analysis of evidence, including accessing deleted files and documents and providing chain of custody.
- “Near duplicate” analyses of document productions in both civil and federal litigation

PUBLICATIONS

“E-Discovery for the Computer Illiterate Maritime Attorneys,” *Proceedings of the American Association for Justice 2008 Convention*, Philadelphia, PA, July 2008.

“The New Federal e-Discovery Rules,” (with J. Molisani), *Intercom*, Society for Technical Communication, 2007.

"Preserving and Protecting Computer Evidence," (with S. Steen), *Evidence Technology Magazine*, July/August 2005.

"Computer Forensics 101," (with S. Steen)
www.expertlaw.com/library/attyarticles/computer_forensics_101.html, October 2004.

"Plagiarism Detection in Software Designs," with B. Belkhouche, & A. Turcuit, *Proceedings of the 42nd Annual ACM Southeast Conference*, ACMSE '04 Huntsville, AL, pg. 207-211, April 2-3, 2004.

“Avoiding Spoliation of Electronic Discovery,” (with S. Steen), OnlineSecurity.com, July 11, 2003. Also available, by permission, Experts.com/showArticle.asp?id=82, last visited July 13, 2007.

"Demystifying Computer Forensics," (with S. Steen), *Louisiana Bar Association Journal*, December 2002.

"Information Relationships in Prolog Programs: How Do Programmers Comprehend Functionality?" (with D. Bergantz), *International Journal of Man-Machine Studies*, 35, pg. 313-328, 1991.

"Two-Level Grammars as a Technique for Formalizing Programming Sciences," (with M. E. Saacks), *Proceedings of the ACM Computer Science Conference*, February 1989.

"A Hierarchical Model for Measuring Software Development," *BNR Technical Report*, 1988.

"A Statistical Analysis of the PRS Database," *BNR Technical Report*, 1987.

"Programming Schemes: A Model for Understanding and Teaching Programming, Programming Debugging and Testing," *ECOO/AEDS Proceedings*, Toronto, Ontario, April 1985.
Student Workbook for Pascal, (with V.J. Law), W.C. Brown Publishing Company, 1985.

"Program Testing and Verification," (with M. Benard), *IBM University Programs Invited Lecture Note Series*, 287 pg., available as *Tulane University, TUTR84-108*, 1984.

"Programming Schemes: Their Role in Program Understanding and Program Maintenance," (with J. T. Nutter), *AEDS Proceedings*, 22nd Annual Convention, Computer Science Press, May 1984.

"Towards A Plan-Based Strategy for Software Maintenance," (with J. Lind), *Tulane University, TUTR83-104*, 1983.

"Programming Plans as Advance Organizers and Their Use in Improving Programmer Debugging Performance," (with J. Lind), *AEDS Proceedings*, 21st Annual Convention, May 1983.

"A Proposal for a Measure of Program Understanding," (with I. M. Haas), *ACM SIGCSE Bulletin*, 15 1, 1983.

Student Workbook for ANSI FORTRAN77: Introduction to Structured Software Design (with V.J. Law) W.C. Brown, 1983.

"A Tutorial on Structure Charts as an Algorithm Tool," (with Victor J. Law), *ACM SIGCSE Bulletin*, 14 1, February 1982. Reprinted by permission: *AEDS MONITOR*, 21 2, 3, September/October 1982.

"Cognitive Style and a First Course in Computer Science: A Success Story," *AEDS Proceedings*, 20th Annual Convention, May 1982. Reprinted by permission: *AEDS MONITOR*, 21 1, 2, July/August 1982.

"A Close Look at Domain Testing," (with L. A. Clarke and D. Richardson), *IEEE Transactions on Software Engineering*, SE-8 4, July 1982.

"On the Torsion Product of Valued Vector Space," *Houston Journal of Mathematics*, 7 1, 1981, pgs.73-82.

"A Paradigm for Developing a Computer Science Program," Association for Educational Data Systems, AEDS Proceedings, 19th Annual Convention, May 1981.

"Project SOAR (Stress on Analytical Reasoning): A Multidisciplinary, Piagetian-Based Summer Program for Pre-Freshmen," (with J.W. Carmichael et al.), *American Biology Teacher*, 42, 3, March 1980.

"The Torsion Product of Valued Vector Spaces with Applications to Abelian P-Groups," Dissertation, August 1975.

PRESENTATIONS

Legal Research and Electronic Discovery: *Electronic Discovery*. Lafayette Bar Association seminar, April 2010. CLE credit awarded.

"E-discovery 101: Be careful what you ask for, you just may get it. (Making E-discovery Meaningful)," Houston Trial Lawyers Association, June 2009,

"E-Discovery and Computer Forensics for Computer Illiterate Maritime Attorneys," American Association for Justice 2008 Convention, (Invited Speaker) Philadelphia, PA, July 2008.

"Current Issues in Criminal Law: Computer Forensics for the Criminal Trial Attorney," Center for Continuing Legal Education, The University of Mississippi. May 9, 2008. CLE credit awarded.

"Document Retention and Destruction Plans," Lorman Educational Services,

New Orleans, March 2008. CLE credit awarded.

New Orleans, March 2009. CLE credit awarded.

"Using Electronic Data in Depositions," (with M. Benard) Baton Rouge Bar Association, December 13, 2007.

"Discovery Skills for Legal Staff," Lorman Educational Services, Baton Rouge, December 2007. CLE credit awarded.

"Managing e-Discover Compliance," (with M. Benard) LavaCon Advanced Communication and Project Management annual conference, 2007.

"High Stakes on the High Seas: The New e-Discovery Rules," (with M. Benard) Louisiana Association for Justice, August 17, 2007.

“The New e-Discovery Rules and the Trial Attorney,” Seminar Series:

The Kullman Firm (New Orleans), November 2006.

Kean Miller (Baton Rouge) May 2007.

deGravelles, Palmintier, Holthaus, Frugé, 2008. CLE credit approved

“Computer Forensics and the New e-Discovery Rules,” Tulane Fall Maritime Seminar, 2006.

“Deposing the Computer Forensics Expert,” Lorman Educational Services, New Orleans, January 2005. CLE credit awarded.

“Search and Seizure of Electronic Evidence,” Lorman Educational Services, New Orleans, January 2005. CLE credit awarded.

“A Primer on Computer Forensics,” Louisiana Trial Lawyers Association, December 2004. CLE credit awarded.

“Computer Forensics and the Trial Practitioner,” Lorman Educational Services, New Orleans. December 2004. CLE credit awarded.

“From CIS to Corporate America: Initiating and Managing a CyberCrime Investigation,” Lavacon New Orleans, LA September 2004.

"Computer Forensics: What You Don't Know Will Hurt You," Mississippi Association of Legal Assistants, Biloxi, MS, November 2003. CLE credit awarded.

"Computer Security Issues and Electronic Discovery," University of Mississippi, September 2002. CLE credit awarded.

"Electronic Discovery and Document Storage: Management and Litigation Issues in Louisiana," Lorman Educational Services, New Orleans. December 2002. CLE credit awarded.

"The Permanent Record: Computer Hard Drives as Evidence (Windows: Friend or Foe?)," Louisiana Public Defender s Association, November 2001. CLE credit awarded.

"Action Classes as a Model for Measuring the Software Process," Texas Instruments Invited Lecture Series, July 1990.

"Problem-Based Metrics," The George Washington University Seminar Series, January 1990.

"A Problem-Based Approach to Measuring Work in a Software Development Environment," EL-Tech, The North Carolina Symposium and Exhibition, April 1989.

"The Implications of Cognitive Style in Software Engineering," ACM Special Interest Group in Computer Science, February 1983.

"How to Avoid the Pitfalls of a First Course in Computer Science," National Council of Teachers of Mathematics, November 1982.

"The Implications of Piagetian Concepts in Computer Assisted Instruction," ACM Computer Science Conference, Detroit, Michigan, February 1978.

"Piaget-Based Learning," Educational Computing for Minority Institutions, New Orleans, Louisiana, April 1977.

"The Learning Theory of Jean Piaget: Recent Advances in Science Teaching," Mathematical Association of America regional meeting, New Orleans, Louisiana, February 1977.

"Why Logical Arguments Don't Work," Greater New Orleans Math Teachers, New Orleans, Louisiana, September 1976.

"The Torsion Product of Valued Vector Spaces and Abelian p-Groups," American Mathematical Society regional conference, Tallahassee, Florida, March 1976.

"How to Avoid the Pitfalls of a First Course in Computing," National Council of Teachers of Mathematics, New Orleans Conference, November 1982.

FUNDED RESEARCH

"The Torsion Product of Valued Vector Spaces," National Science Foundation, Research Initiation, funded June 1977 - August 1978, \$18,000. Author and principal investigator.

"Academic Computing," Advanced Institutional Development Program, funded January 1979 - June 1981, \$125,000. Author and project director.

"A Computer Science Major," Advanced Institutional Development Program, funded January 1979 - June 1981, \$58,600. Author and program director.

"A Program to Study Improvement in Reasoning in Science Students," Kenan Charitable Trust, funded July 1976 - June 1979, \$225,000. Co-author.

National Science Foundation Faculty Professional Development, August 1979 - July, 1980, \$21,484. Author and project director.

"Human Factors in the Software Design Process," National Science Foundation, funded July 1981 - December 1982, \$25,100. Author and principal investigator.

"Human Factors and Software Engineering," Bell Northern Research (Nortel), April 1984-1987, \$75,000. Author and principal investigator.

"Software Metrics," Bell Northern Research (Nortel), June 1988-June 1989, \$158,000. Author and principal investigator.

"A Requirements and Specification Environment," National Science Foundation Research Experiences for Undergraduates, June 1987 - November 1989, \$43,050. Co-author and co-investigator.

"Distributed Shared Memory Performance," National Science Foundation Research Experiences for Undergraduates, June 1990 - May 1991, \$34,036. Co-author.

"LA BoR/Tulane Graduate Fellowships for Excellence in Computer Science," Louisiana Aboard of Regents of Regents, August 1997—July 2002, \$68,000. Author and principal investigator.

"LA BoR/Tulane Graduate Fellowships for Excellence in Computer Science," Louisiana Aboard of Regents of Regents, August 1998—July 2003, \$136,000. Author and principal investigator.

OTHER PROFESSIONAL EXPERIENCE

Technical Communication Projects/Experience

- University – Programmatic brochures and posters
- Electronic classroom system – Teachers' manual
- Bid estimation in petrochemical industry – Users' manual
- Large software configuration management system – On-line help system
- Gaming industry – Training manuals
- International banking – Electronic-based training course
- International shipping – Technical brochures
- Engineering – Technical brochures

PROFESSIONAL AFFILIATION

- American College of Forensic Examiners International (ACFEI)
- ACEFI Computer Forensics Division
- Phi Kappa Phi