

1 Personal and Contact Details

Diomidis D. Spinellis

Professor

Department of Management Science and Technology

Athens University of Economics and Business

Pafision 76, GR-104 34 Athens, Greece

Tel: +30 210 8203981

FAX: +30 210 8203370

email: <mailto:dds@aueb.gr>

Web: <http://www.dmst.aueb.gr/dds>

2 Research Interests

- Software engineering: tools and programming techniques
- IT security
- Domain-specific programming languages

3 Education

- Ph.D. in Computer Science, Imperial College London, UK. 1990–1994.
- M.Eng. degree in Software Engineering (First Class Honours) Imperial College London. 1986–1990.
- Fluent in Greek, English, and German.

4 Honours and Awards

- Listed in the “Highly Cited Greek Scientists” web site <http://www.highlycitedgreekscientists.org/>. The database covers all scientific fields and includes 137 Greek scientists who have published as first or last author at least one scientific work (paper, book, or other) that has received over 1000 citations in the scientific literature, a landmark that, according to the web site, is very difficult to achieve even among excellent scientists.
- Prize at the scientific experiment competition “Wizards of Science 2009” organized on February 14, 15th 2009 by the CAIDA non-profit organization and the Eugenides Foundation for the entry titled “The Information Train.”
- “Highly Commended Paper” award in Emerald’s “Literati Network Awards for Excellence 2008” for the publication: Vasileios Vlachos and Diomidis Spinellis. A Proactive Malware Identification System based on the Computer Hygiene Principles. *Information Management and Computer Security*, 15(4):295–312, 2007.
- Software Development Productivity Award in the “Technical Books” category for the book *Code Quality: The Open Source Perspective* (Addison-Wesley, 2006). March 2007.
- ACM Computing Reviews. Featured Reviewer. August 2006.
- Software Development Productivity Award in the “Technical Books” category for the book *Code Reading: The Open Source Perspective* (Addison-Wesley, 2003). March 2004.
- Best refereed paper award for the work: Giorgos Gousios and Diomidis Spinellis. A comparison of portable dynamic web content technologies for the apache web server. In *Proceedings of the 3rd International System Administration and Networking Conference SANE 2002*, pages 103–119, Maastricht, The Netherlands, May 2002.
- Winner of the Usenix Association (with assistance of Compaq Research) Open-Source Project contest, 2000.
- Winning entries in the International Obfuscated C Code Contest (IOCCC). 1988, 1990, 1991, 1996.
- Among the co-recipients of the Lifetime Achievement Award of the Usenix Association for contribution to the Computer Science Research Group of the University of California at Berkeley. 1993.
- DTI (British Department of Trade and Industry, UK) research bursary. 1993.
- Three year SERC (British Science and Engineering Research Council) fee award for research leading to the Ph.D. degree in Computer Science. 1990.

- Addison-Wesley Prize in Computer Science for Excellence in Academic Achievement. 1990.
- Winner, USENET smallest self-replicating ANSI C program contest. 1988.
- Winning team, Imperial College ACM Prolog Programming Contest. 1987.

5 Scientific, Professional, and Technical Activities

5.1 Technical Society Memberships

- Senior member, ACM.
- Senior member, IEEE.
- Member, IEEE Computer Society.
- Associateship, City and Guilds of London Institute (ACGI).
- Member, USENIX Association.
- Member, Greek Computer Society.
- Member, Technical Chamber of Greece.

5.2 Journal and Magazine Editorial Board Member

- IEEE Software. Member of the editorial board, 2005–.
- Journal in Computer Virology. (Springer). Member of the editorial board, 2004–.
- Recent Patents on Engineering (Bentham Science). Member of the editorial board, 2006–.
- Guest editor (with Jonathan Sprinkle, University of Arizona, Marjan Mernik University of Maribor, Juha-Pekka Tolvanen, MetaCase) IEEE Software” theme issue “Domain Specific Modelling”. July/August 2009.
- Guest editor (with Arthur Ryman, IBM, and Simon Helsen, SAP) “IEEE Software” theme issue “Software Development Tools”. September 2008.
- Guest editor (with C. Tarantilis and M. Gendreau) IEEE Intelligent Systems theme issue “Advanced Heuristics in Transportation and Logistics”. July 2005.
- Guest editor (with Clemens Szyperski, Microsoft Research) “IEEE Software” theme issue “Developing with Open Source Software”. January 2004.

5.3 Conference Program Committee Member

1. Programme Committee member. *7th International Conference on Open Source Systems (OSS 2011)*. Salvador, BA, Brazil. October 2011.
2. Programme Committee member. *15th Panhellenic Conference on Informatics (PCI 2011)*. Kastoria, Greece, September 2011.
3. Programme Committee member. *14th Panhellenic Conference on Informatics (PCI 2010)*. Tripoli, Greece, September 2010.
4. Programme Committee member. *9th International Conference on Mobile Business (ICMB 2010)*. Athens, Greece, July 2010.
5. Programme Committee member. *6th International Conference on Open Source Systems (OSS 2010)*. Notre Dame, IN, USA. May, June 2010.
6. Programme Committee member. *New Ideas and Emergent Results Track (NIER), 32nd ACM/IEEE International Conference on Software Engineering (ICSE 2010)*. Cape Town, South Africa, May 2010.
7. Programme Committee member. *Programming Languages (PL) Track, 25th ACM Symposium on Applied Computing (SAC 2010)*. Sierre, Switzerland, March 2010.
8. Programme Committee member. *14th European Conference on Software Maintenance and Reengineering (CSMR 2010)*. Madrid, Spain, March 2010.
9. Programme Committee member. *4th International Symposium on Information Security (IS '09)*. Vilamoura, Algarve, Portugal, November, 2009.
10. Programme Committee member. *13th Panhellenic Conference on Informatics (PCI '2009)*. Corfu, Greece. September 2009.
11. Track co-chair. *Mediterranean Conference on Information Systems (MICS 2009)*. *Free, Libre and Open Source Software and use in the Mediterranean region* track. Athens, Greece, September 2009.

12. Programme Committee member. *23rd European Conference on Object Oriented Programming (ECOOP 2009)*. Genova, Italy, June 2009.
13. Programme Committee member. *IFIP WG 2.13 Conference on Free/Open Source Software (F/OSS 2009)*. Skovde, Sweden, June 2009.
14. Programme Committee member. *Second International Workshop on Free/Libre/Open Source Software Systems (FLOSS)*. ICSE 2009, Vancouver, BC, Canada, May 2009.
15. Programme Committee member. *2009 ACM Symposium on Applied Computing: Programming Languages (PL) Track*. Honolulu, Hawaii, March 2009.
16. Programme Committee member. *4th International Workshop on Public Data about Software Development (WoP-DaSD 2009)*. Skovde, Sweden, March 2009.
17. Programme Committee member. *13th European Conference on Software Maintenance and Reengineering (CSMR 2009)*. Kaiserslautern, Germany, March 2009.
18. Programme Committee member. *4th European Conference on Computer Network Defense (EC2ND)*. Dulin, Ireland, December 2008.
19. Programme Committee member. *3rd International Symposium on Information Security (IS'08)*. Monterrey, Mexico, November, 2008
20. Programme Committee member. *3rd International Annual Workshop on Digital Forensics & Incident Analysis (WDFIA 2008)*. Malaga, Spain, October 2008.
21. Programme Committee member. *3rd International Workshop on Public Data about Software Development (WoP-DaSD 2008)*. Milan, Italy, September 2008.
22. Programme Committee member. *International Conference on Open Source Systems*. Milan, Italy, September 2008.
23. Programme Committee member. *12th Panhellenic Conference on Informatics (PCI '2008)*. Samos, Greece. August 2008.
24. Programme Committee member. *AISEW 2008: Artificial Intelligence Techniques in Software Engineering Workshop*, Patras, Greece, 22 July 2008. Collocated with the 18th European Conference on Artificial Intelligence.
25. Programme Committee member. *International Workshop on Advanced Software Development Tools and Techniques* (co-located with ECOOP 2008). Paphos, Cyprus, July 2008.
26. Programme Committee member. *12th European Conference on Software Maintenance and Reengineering (CSMR 2008)*. Athens, April 2008.
27. Programme Committee member. *3rd European Conference on Computer Network Defense (EC2ND)*. ICS-FORTH, Crete, October 2007.
28. Programme Committee member. *Second Annual Workshop on Digital Forensics & Incident Analysis*. Samos, Greece. August, 2007.
29. Programme Committee member. *Second International Workshop on Public Data about Software Development (WoP-DaSD 2007)*. Limerick, Ireland.
30. Programme Committee member. *International Conference on Global Software Engineering (ICGSE) 2007*. Munich, Germany, August 2007.
31. Programme Committee member. *11th Panhellenic Conference on Informatics (PCI '2007)*. Patras, Greece. May 2007.
32. Programme Committee member. *Libre Software as a Matter of Research* workshop, held in conjunction with *FOSDEM 2007*, Brussels, Belgium. February 2007.
33. Programme Committee member. *First International Workshop on Global Software Development for the Practitioner, GSD 2006*, held in conjunction with the *28th International Conference and Software Engineering 2006*. Shanghai, China. 23 May, 2006.
34. Programme Committee member. *10th Panhellenic Conference on Informatics (PCI '2005)*. Volos, Greece. November 2005.
35. Programme Committee member. *Public Key Infrastructure: First European PKI Workshop: Research and Applications, EuroPKI 2004*. Samos, Greece. June 2004.
36. Programme Committee member. *ETHICOMP-2004 — Challenges for the Citizen of the Information Society*. Syros, Greece. April 2004.
37. Programme Committee co-chair. *ACM Symposium on Applied Computing 2004, Track on Ubiquitous Computing Applications*. Nicosia, Cyprus. March 14-17, 2004.
38. Programme Committee chair. *CMSD-2003 — International Conference on Cross-Media Service Delivery*. Santorini,

- Greece. May 2003.
39. Programme Committee member. *18th IFIP International Information Security Conference*. Athens, Greece. May 2003.
 40. Programme Committee member. *International Conference on Production System Design, Supply Chain Management and Logistics*. Miedzydroje, Poland, October 23–25, 2002.

5.4 Selected Public Software Contributions

The following is a list of software authored and made available over the Web; typically as open source software.

UMLGraph allows the declarative specification and drawing of a number of UML diagrams. See also the article titled On the declarative specification of models.

CScout is a source code analyzer and refactoring browser for collections of C programs. It can process workspaces of multiple projects mapping the complexity introduced by the C preprocessor back into the original C source code files. CScout takes advantage of modern hardware advances (fast processors and large memory capacities) to analyze C source code beyond the level of detail and accuracy provided by current compilers and linkers.

Unix sed(1) Stream Editor is a POSIX compliant re-implementation of the Unix sed(1) stream editor. Part of Mac OS X, 4.4BSD, NetBSD, and FreeBSD.

Outwit is a tool suite that provides console-based access to the Windows clipboard, registry, databases, document properties, and links.

Socketpipe connects a remote command to local input and output processes without the data copy and context switching overhead of the customary rsh or ssh pipelines.

Ckjm calculates Chidamber and Kemerer object-oriented metrics in Java programs by processing the bytecode of the compiled Java files.

6 Publications

Updated details for all publications, as well as their full text (where possible), can be found online at <http://www.dmst.aueb.gr/dds/pubs>.

6.1 Books: Monographs and Edited Volumes

1. Diomidis Spinellis and Georgios Gousios, editors. *Beautiful Architecture: Leading Software Engineers Explain How They Think*. O'Reilly, Sebastopol, CA, 2009.
2. Chrissoleon T. Papadopoulos, Michael E. J. O'Kelly, Michael J. Vidalis, and Diomidis Spinellis. *Analysis and Design of Discrete Part Production Lines*. Springer, 2009.
3. Diomidis Spinellis. *Code Quality: The Open Source Perspective*. Addison-Wesley, Boston, MA, 2006.
4. Diomidis Spinellis. *Code Reading: The Open Source Perspective*. Addison-Wesley, Boston, MA, 2003.
5. Diomidis Spinellis, editor. *Cross-Media Service Delivery*, volume 740 of *The Kluwer international series in engineering and computer science*. Kluwer Academic Publishers, Boston, MA, 2003.

6.2 Theses

1. Diomidis Spinellis. *Programming Paradigms as Object Classes: A Structuring Mechanism for Multiparadigm Programming*. PhD thesis, Imperial College, London, UK, February 1994.
2. Diomidis Spinellis. An implementation of the Haskell language. Master's thesis, Imperial College, London, UK, June 1990.

6.3 Peer-reviewed Journal Articles

1. Diomidis Spinellis and Vaggelis Giannikas. Organizational adoption of open source software. *Journal of Systems and Software*, 85(3):666–682, March 2012.

2. Dimitris Mitropoulos, Vassilios Karakoidas, Panagiotis Louridas, and Diomidis Spinellis. Countering code injection attacks: A unified approach. *Information Management and Computer Security*, 19(3):177–194, 2011.
3. Maria Halkidi, Diomidis Spinellis, George Tsatsaronis, and Michalis Vazirgiannis. Data mining in software engineering. *Intelligent Data Analysis*, 15(3):413–441, 2011.
4. Euripides Loukis, Diomidis Spinellis, and Anastasios Katsigiannis. Barriers to the adoption of B2B e-marketplaces by large enterprises: Lessons learned from the Hellenic Aerospace Industry. *Information Systems Management*, 28(2):130–146, 2011.
5. Stephanos Androutsellis-Theotokis, Diomidis Spinellis, Maria Kechagia, and Georgios Gousios. Open source software: A survey from 10,000 feet. *Foundations and Trends in Technology, Information and Operations Management*, 4(3–4):187–347, 2011.
6. Diomidis Spinellis. CScout: A refactoring browser for C. *Science of Computer Programming*, 75(4):216–231, April 2010.
7. Stephanos Androutsellis-Theotokis, Diomidis Spinellis, Panos Louridas, and Kostas Stroggylos. A market-based approach to managing the risk of peer-to-peer transactions. *Computer Networks*, 54(5):675–688, April 2010.
8. Diomidis Spinellis. User-level operating system transactions. *Software: Practice & Experience*, 39(14):1215–1233, September 2009.
9. Diomidis Spinellis. Optimizing header file include directives. *Journal of Software Maintenance and Evolution: Research and Practice*, 21(4):233–251, July/August 2009.
10. Dimitris Mitropoulos and Diomidis Spinellis. SDriver: Location-specific signatures prevent SQL injection attacks. *Computers and Security*, 28:121–129, May/June 2009.
11. Simon Frankau, Diomidis Spinellis, Nick Nassuphis, and Christoph Burgard. Commercial uses: Going functional on exotic trades. *Journal of Functional Programming*, 19(1):27–45, January 2009.
12. Panagiotis Louridas, Diomidis Spinellis, and Vasileios Vlachos. Power laws in software. *ACM Transactions on Software Engineering and Methodology*, 18(1):1–26, September 2008. Article 2.
13. Diomidis Spinellis and Panagiotis Louridas. The collaborative organization of knowledge. *Communications of the ACM*, 51(8):68–73, August 2008.
14. Diomidis Spinellis. The Antikythera mechanism: A computer science perspective. *IEEE Computer*, 41(5):22–27, May 2008.
15. Vassilios Karakoidas and Diomidis Spinellis. FIRE/J — optimizing regular expression searches with generative programming. *Software: Practice & Experience*, 38(6):557–573, May 2008.
16. Vasileios Vlachos and Diomidis Spinellis. A P proactive malware identification system based on the computer hygiene principles. *Information Management and Computer Security*, 15(4):295–312, 2007.
17. Diomidis Spinellis, Panagiotis Zaharias, and Adam Vrechopoulos. Coping with plagiarism and grading load: Randomized programming assignments and reflective grading. *Computer Applications in Engineering Education*, 15(2):113–123, 2007.
18. Vassilis Prevelakis and Diomidis Spinellis. The Athens affair. *IEEE Spectrum*, 44(7):26–33, July 2007.
19. Diomidis Spinellis and Panagiotis Louridas. A framework for the static verification of API calls. *Journal of Systems and Software*, 80(7):1156–1168, July 2007.
20. Dimitrios Lekkas and Diomidis Spinellis. Implementing regular cash with blind fixed-value electronic coins. *Computer Standards & Interfaces*, 29(3):277–288, March 2007.
21. Konstantinos Chorianopoulos and Diomidis Spinellis. Coping with TiVo: Opportunities of the networked digital video recorder. *Telematics and Informatics*, 24(1):48–58, February 2007.
22. Konstantinos Chorianopoulos and Diomidis Spinellis. User interface evaluation of interactive TV: A media studies perspective. *Universal Access in the Information Society*, 5(2):209–218, August 2006.
23. Adamantia D. Pateli, George M. Giaglis, and Diomidis D. Spinellis. Wireless value-added services in exhibition shows. *International Journal of Mobile Communications*, 4(2):193–209, 2006.
24. Dimitrios Lekkas and Diomidis Spinellis. Handling and reporting security advisories: A scorecard approach. *IEEE Security and Privacy*, 3(4):32–41, July/August 2005.
25. Diomidis Spinellis. Index-based persistent document identifiers. *Information Retrieval*, 8(1):5–24, January 2005.
26. Stephanos Androutsellis-Theotokis and Diomidis Spinellis. A survey of peer-to-peer content distribution technologies. *ACM Computing Surveys*, 36(4):335–371, December 2004.
27. Konstantinos Chorianopoulos and Diomidis Spinellis. Affective usability evaluation for an interactive music television channel. *Computers in Entertainment*, 2(3):14, July 2004.

28. Vasileios Vlachos, Stefanos Androutsellis-Theotokis, and Diomidis Spinellis. Security applications of peer-to-peer networks. *Computer Networks*, 45(2):195–205, June 2004.
29. Konstantinos Chorianopoulos and Diomidis Spinellis. User interface development for interactive television: Extending a commercial DTV platform to the virtual channel API. *Computers & Graphics*, 28(2):157–166, April 2004.
30. Diomidis Spinellis. Global analysis and transformations in preprocessed languages. *IEEE Transactions on Software Engineering*, 29(11):1019–1030, November 2003.
31. John Iliadis, Stefanos Gritzalis, Diomidis Spinellis, Danny de Cock, Bart Preneel, and Dimitris Gritzalis. Towards a framework for evaluating certificate status information mechanisms. *Computer Communications*, 26(16):1839–1850, October 2003.
32. Victoria Skoularidou and Diomidis Spinellis. Security architectures for network clients. *Information Management and Computer Security*, 11(2):84–91, 2003.
33. Diomidis Spinellis. Position-annotated photographs: A geotemporal web. *IEEE Pervasive Computing*, 2(2):72–79, April-June 2003.
34. Diomidis Spinellis. The information furnace: Consolidated home control. *Personal and Ubiquitous Computing*, 7(1):53–69, 2003.
35. Diomidis Spinellis. Reliable identification of bounded-length viruses is NP-complete. *IEEE Transactions on Information Theory*, 49(1):280–284, January 2003.
36. Diomidis Spinellis. The decay and failures of web references. *Communications of the ACM*, 46(1):71–77, January 2003.
37. Diomidis Spinellis and Dimitris Gritzalis. Panoptis: Intrusion detection using a domain-specific language. *Journal of Computer Security*, 10:159–176, 2002.
38. Diomidis Spinellis. Unix tools as visual programming components in a GUI-builder environment. *Software: Practice & Experience*, 32(1):57–71, January 2002.
39. Konstantinos Raptis, Diomidis Spinellis, and Sokratis Katsikas. Multi-technology distributed objects and their integration. *Computer Standards & Interfaces*, 23:157–168, July 2001.
40. Euripides Loukis and Diomidis Spinellis. Information systems security in the Greek public sector. *Information Management and Computer Security*, 9(1):21–31, 2001.
41. Diomidis Spinellis. Notable design patterns for domain specific languages. *Journal of Systems and Software*, 56(1):91–99, February 2001.
42. Diomidis Spinellis and Chrissoleon Papadopoulos. Modular production line optimization: The exPLOre architecture. *Mathematical Problems in Engineering*, 6:527–541, 2001.
43. Diomidis Spinellis. Reflection as a mechanism for software integrity verification. *ACM Transactions on Information and System Security*, 3(1):51–62, February 2000.
44. Diomidis Spinellis and Konstantinos Raptis. Component mining: A process and its pattern language. *Information and Software Technology*, 42(9):609–617, June 2000.
45. Diomidis Spinellis and Chrissoleon T. Papadopoulos. A simulated annealing approach for buffer allocation in reliable production lines. *Annals of Operations Research*, 93:373–384, 2000.
46. Konstantinos Raptis, Diomidis Spinellis, and Sokratis Katsikas. Distributed object bridges and a Java-based object mediator. *Informatik / Informatique*, 2:4–8, April 2000.
47. Diomidis Spinellis and Chrissoleon Papadopoulos. Stochastic algorithms for buffer allocation in reliable production lines. *Mathematical Problems in Engineering*, 5:441–458, 2000.
48. Diomidis Spinellis, Chrissoleon Papadopoulos, and Jim MacGregor Smith. Large production line optimization using simulated annealing. *International Journal of Production Research*, 38(3):509–541, February 2000.
49. Diomidis Spinellis, Stefanos Gritzalis, John Iliadis, Dimitris Gritzalis, and Sokratis Katsikas. Trusted third party services for deploying secure telemedical applications over the WWW. *Computers and Security*, 18(7):627–639, 1999.
50. Diomidis Spinellis, Spyros Kokolakis, and Stephanos Gritzalis. Security requirements, risks, and recommendations for small enterprise and home-office environments. *Information Management and Computer Security*, 7(3):121–128, 1999.
51. Stephanos Gritzalis, John Iliadis, Dimitris Gritzalis, Diomidis Spinellis, and Sokratis Katsikas. Developing secure Web-based medical applications. *Medical Informatics and the Internet in Medicine*, 24(1):75–90, March 1999.
52. Stefanos Gritzalis, Diomidis Spinellis, and Panagiotis Georgiadis. Security protocols over open networks and

- distributed systems: Formal methods for their analysis, design, and verification. *Computer Communications*, 22(8):695–707, May 1999.
53. Stefanos Gritzalis, George Aggelis, and Diomidis Spinellis. Architectures for secure portable executable content. *Internet Research*, 9(1):16–24, 1999.
 54. Diomidis Spinellis. A critique of the Windows application programming interface. *Computer Standards & Interfaces*, 20(1):1–8, November 1998.
 55. Stefanos Gritzalis and Diomidis Spinellis. The cascade vulnerability problem: The detection problem and a simulated annealing approach for its correction. *Microprocessors and Microsystems*, 21(10):621–628, April 1998.
 56. Diomidis Spinellis. Palmtop programmable appliance controls. *Personal Technologies (Personal and Ubiquitous Computing)*, 2(1):11–17, March 1998.
 57. Sokratis Katsikas, Diomidis Spinellis, John Iliadis, and Bernd Blobel. Using trusted third parties for secure telemedical applications over the WWW: The EUROMED-ETS approach. *International Journal of Medical Informatics*, 49(1):59–68, March 1998.
 58. Diomidis Spinellis, Sophia Drossopoulou, and Susan Eisenbach. Object-oriented technology in multiparadigm language implementation. *Journal of Object-Oriented Programming*, 8(1):33–38, March/April 1995.
 59. Diomidis Spinellis. Checking C declarations at link time. *The Journal of C Language Translation*, 4(3):238–249, March 1993.
 60. Diomidis Spinellis. Implementing Haskell: Language implementation as a tool building exercise. *Structured Programming (Software Concepts and Tools)*, 14:37–48, 1993.

6.4 Guest Editor Introductions

1. Jonathan Sprinkle, Marjan Mernik, Juha-Pekka Tolvanen, and Diomidis Spinellis. What kinds of nails need a domain-specific hammer? *IEEE Software*, 26(4):15–18, July/August 2009. Guest Editors' Introduction: Domain Specific Modelling.
2. Simon Helsen, Arthur Ryman, and Diomidis Spinellis. Where's my jetpack? *IEEE Software*, 25(5):18–21, September/October 2008. Guest Editors' Introduction: Software Development Tools.
3. Christos D. Tarantilis, Diomidis Spinellis, and Michel Gendreau. Advanced heuristics in transportation and logistics. *IEEE Intelligent Systems*, 20(4):16–18, July 2005. Guest Editors' Introduction.
4. Diomidis Spinellis and Clemens Szyperski. How is open source affecting software development? *IEEE Software*, 21(1):28–33, January/February 2004. Guest Editors' Introduction: Developing with Open Source Software.

6.5 Magazine Columns

1. Diomidis Spinellis. Package management systems. *IEEE Software*, 29(2):84–86, March/April 2012.
2. Diomidis Spinellis. Refactoring on the cheap. *IEEE Software*, 29(1):96–95, January/February 2012.
3. Diomidis Spinellis and Henry Spencer. Lessons from space. *IEEE Software*, 28(6):26–28, November/December 2011.
4. Diomidis Spinellis. Faking it. *IEEE Software*, 28(5):96, 95, September/October 2011.
5. Diomidis Spinellis. Agility drivers. *IEEE Software*, 28(4):96, 95, July/August 2011.
6. Diomidis Spinellis. Choosing and using open source components. *IEEE Software*, 28(3):96, 95, May/June 2011.
7. Diomidis Spinellis. elyts edoc. *IEEE Software*, 28(2):104–103, March/April 2011.
8. Diomidis Spinellis. Farewell to disks. *IEEE Software*, 27(6):82–83, November/December 2010.
9. Diomidis Spinellis. UML everywhere. *IEEE Software*, 27(5):90–91, September/October 2010.
10. Diomidis Spinellis. Code documentation. *IEEE Software*, 27(4):18–19, July/August 2010.
11. Diomidis Spinellis. Software tracks. *IEEE Software*, 27(2):10–11, March/April 2010.
12. Diomidis Spinellis. Basic etiquette of technical communication. *IEEE Software*, 26(5):14–15, November/December 2009.
13. Diomidis Spinellis. Job security. *IEEE Software*, 26(5):14–15, Sep/Oct 2009.
14. Diomidis Spinellis. Drawing tools. *IEEE Software*, 26(3):12–13, May/June 2009.
15. Diomidis Spinellis. Start with the most difficult part. *IEEE Software*, 26(2):70–71, March/April 2009.
16. Diomidis Spinellis. The way we program. *IEEE Software*, 25(4):89–91, July/August 2008.

17. Diomidis Spinellis. Software builders. *IEEE Software*, 25(3):22–23, May/June 2008.
18. Diomidis Spinellis. Using and abusing XML. *IEEE Software*, 25(2):88–89, March/April 2008.
19. Diomidis Spinellis. Rational metaprogramming. *IEEE Software*, 25(1):78–79, January/February 2008.
20. Diomidis Spinellis. On paper. *IEEE Software*, 24(6):24–25, November/December 2007.
21. Diomidis Spinellis. Abstraction and variation. *IEEE Software*, 24(5):24–25, September/October 2007.
22. Diomidis Spinellis. The tools we use. *IEEE Software*, 24(4):20–21, July/August 2007.
23. Diomidis Spinellis. Silver bullets and other mysteries. *IEEE Software*, 24(3):22–23, May/June 2007.
24. Diomidis Spinellis. I spy. *IEEE Software*, 24(2):16–17, March/April 2007.
25. Diomidis Spinellis. Cracking software reuse. *IEEE Software*, 24(1):12–13, January/February 2007.
26. Diomidis Spinellis. Open source and professional advancement. *IEEE Software*, 23(5):70–71, September/October 2006.
27. Diomidis Spinellis. Choosing a programming language. *IEEE Software*, 23(4):62–63, July/August 2006.
28. Diomidis Spinellis. Debuggers and logging frameworks. *IEEE Software*, 23(3):98–99, May/June 2006.
29. Diomidis Spinellis. Bug busters. *IEEE Software*, 23(2):92–93, March/April 2006.
30. Diomidis Spinellis. Project asset portability. *IEEE Software*, 23(1):100–101, January/February 2006.
31. Diomidis Spinellis. Working with Unix tools. *IEEE Software*, 22(6):9–11, November/December 2005.
32. Diomidis Spinellis. Software engineering glossary, version control, part 2. *IEEE Software*, 22(6):c2–c3, November/December 2005.
33. Diomidis Spinellis. Version control systems. *IEEE Software*, 22(5):108–109, September/October 2005.
34. Diomidis Spinellis. Software engineering glossary, version control, part 1. *IEEE Software*, 22(5):107, September/October 2005.
35. Diomidis Spinellis. Tool writing: A forgotten art? *IEEE Software*, 22(4):9–11, July/August 2005.
36. Diomidis Spinellis. Java makes scripting languages irrelevant? *IEEE Software*, 22(3):70–71, May/June 2005.
37. Diomidis Spinellis. Dear editor. *IEEE Software*, 22(2):14–15, March/April 2005.
38. Diomidis Spinellis. The tools at hand. *IEEE Software*, 22(1):10–13, January/February 2005.
39. Diomidis Spinellis. Reflections on trusting trust revisited. *Communications of the ACM*, 46(6):112, June 2003.
40. Diomidis Spinellis. On the declarative specification of models. *IEEE Software*, 20(2):94–96, March/April 2003.
41. Diomidis Spinellis. Fear of coding, and how to reduce it. *IEEE Computer*, 34(8):98–100, August 2001.
42. Diomidis Spinellis. Explore, excogitate, exploit: Component mining. *IEEE Computer*, 32(9):114–116, September 1999.
43. Diomidis Spinellis. The computer’s new clothes. *IEEE Software*, 15(6):14–17, November/December 1998.

6.6 Book Chapters

1. Diomidis Spinellis. Quality wars: Open source versus proprietary software. In Andy Oram and Greg Wilson, editors, *Making Software: What Really Works, and Why We Believe It*, chapter 15, pages 259–293. O’Reilly and Associates, Sebastopol, CA, 2010.
2. Diomidis Spinellis. The Unix tools are your friends. In Kevlin Henney, editor, *97 Things Every Programmer Should Know*, pages 176–177. O’Reilly, Sebastopol, CA, 2010.
3. Diomidis Spinellis. Put everything under version control. In Kevlin Henney, editor, *97 Things Every Programmer Should Know*, pages 136–137. O’Reilly, Sebastopol, CA, 2010.
4. Diomidis Spinellis. Large interconnected data belongs to a database. In Kevlin Henney, editor, *97 Things Every Programmer Should Know*, pages 96–97. O’Reilly, Sebastopol, CA, 2010.
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35. Diomidis Spinellis. Taking common sense to the extreme. *IEEE Software*, 17(4):113–114, July/August 2000. Book Review: eXtreme Programming Explained: Embrace Change.
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39. Diomidis Spinellis. Book review: Intrusion detection: Network security beyond the firewall. *ACM Computing Reviews*, 40(2):84–85, February 1999.
40. Diomidis Spinellis. Book review: Hacker proof: the ultimate guide to network security. *ACM Computing Reviews*, 39(9):437–438, September 1998.
41. Diomidis Spinellis. Book review: Java in a nutshell (2nd ed.): A desktop quick reference. *ACM Computing Reviews*, 39(8):397, August 1998.
42. Diomidis Spinellis. Book review: Intranet security. *ACM Computing Reviews*, 39(3):132, March 1998.
43. Diomidis Spinellis. Book review: High speed Windows applications: Multitasking design methods. *ACM SIGPLAN Notices*, 30(7):4, July 1995.

6.11 Articles in the Technical Press and SIG Publications

1. Diomidis Spinellis. What i learned from fixing my laptop's motherboard. *Hacker Monthly*, 14:22–23, July 2011.
2. Diomidis Spinellis. 10 tips for spotting low-quality open source code. *Enterprise Open Source Journal*, 2(5):18–21, Sept/Oct 2006.
3. Diomidis Spinellis. Code finessing. *Dr. Dobbs's*, 31(11):58–63, November 2006.
4. Markos Gogoulos and Diomidis Spinellis. Using Linux live CDs for penetration testing. *;login;*, 31(3):40–45, June 2006.
5. Diomidis Spinellis. Some types of memory are more equal than others. *;login;*, 31(2):29–36, April 2006.
6. Diomidis Spinellis. Reading, writing, and code. *ACM Queue*, 1(7):84–89, October 2003.
7. Diomidis Spinellis. Organized pruning of file sets. *;login;*, 28(3):39–42, June 2003.
8. Diomidis Spinellis. A modest proposal for curing the public field phobia. *ACM SIGPLAN Notices*, 37(4):54–56, April 2002.
9. Diomidis Spinellis. Optimal peripheral access using pipe-based double-buffering. *;login;*, 24(4):43–45, August 1999.
10. Diomidis Spinellis. Declarative peephole optimization using string pattern matching. *ACM SIGPLAN Notices*, 34(2):47–51, February 1999.
11. Diomidis Spinellis. Small tools for automatic text generation. *;login;*, 23(4):44–47, August 1998.
12. Diomidis Spinellis and Rob Kolstad. A conversation about Perl and the shell: Choosing the implementation vehicle. *;login;*, 22(3):25–31, June 1997.
13. Diomidis Spinellis. Trace: A tool for logging operating system call transactions. *Operating Systems Review*, 28(4):56–63, October 1994.
14. Diomidis Spinellis. Type-safe linkage for variables and functions. *ACM SIGPLAN Notices*, 26(8):74–79, August 1991.

6.12 Invited Talks

1. Diomidis Spinellis. UMLGraph and the declarative drawing of diagrams. Invited talk, April 2012. ACCU Conference. Oxford, UK.
2. Diomidis Spinellis. Farewell to disks: Efficient processing of obstinate data. Distinguished Lecturer Series “Leon the Mathematician” at the Department of Informatics, Aristotle University of Thessaloniki Greece, March 2011.
3. Diomidis Spinellis. Farewell to disks: Efficient processing of obstinate data. Keynote address, November 2011. ITPro Dev Connections 2011. In Greek.
4. Diomidis Spinellis. Farewell to disks: Efficient processing of obstinate data. Invited talk, October 2011. Imperial College London. Department of Computing. LSDS — Large-Scale Distributed Systems Group.
5. Diomidis Spinellis. Farewell to disks: Efficient processing of obstinate data. Invited talk, April 2011. ACCU Conference. Oxford, UK.
6. Diomidis Spinellis. Farewell to disks: Efficient processing of obstinate data. Invited talk, March 2011. IRILL — Center for Research and Innovation on Free Software. Paris, France.
7. Diomidis Spinellis. The Unix toolchest: Power tools for power programmers. Invited talk, April 2010. ACCU Conference. Oxford, UK.
8. Diomidis Spinellis. Security and trust. Invited talk (in Greek), March 2010. IDC IT Security Roadshow 2010: Battling Sophisticated Threats: Security Strategies for the Resilient Enterprise. Athens, Greece.
9. Diomidis Spinellis. Locating and addressing performance issues. Invited talk, February 2010. OOP 2010 — Productivity: People, Process, and Technology. Munich, Germany.
10. Diomidis Spinellis. Beyond four kernels: A platform for software engineering research. Invited talk, June 2009. University of Southern California. Department of Computer Science. Los Angeles, CA.
11. Diomidis Spinellis. The Antikythera mechanism: Hacking with gears. Invited talk, June 2009. USENIX Annual Technical Conference. San Diego, CA.
12. Diomidis Spinellis. Locating and addressing performance issues. Invited talk, April 2009. ACCU Conference. Oxford, UK.
13. Diomidis Spinellis. Evaluating the quality of open source software. Invited talk, April 2008. SQM 2008: Second International Workshop on Software Quality and Maintainability. Athens, Greece.
14. Diomidis Spinellis. Open source in education, March 2008. Keynote address at the 4th Panhellenic Conference on Computer Science Education. (In Greek.).
15. Diomidis Spinellis. An academic’s view of broadband connectivity. Invited talk, July 2007. Athens University of Economics and Business. (In Greek).
16. Diomidis Spinellis. The Antikythera Mechanism on the OLPC. Invited talk, June 2007. Aristotle University of Thessaloniki, Department of Informatics. (In Greek).
17. Diomidis Spinellis. The Antikythera Mechanism on the OLPC. In *Workshop on Software Trends*, Porto Alegre, Brazil, April 2007. ESICenter Brasil.
18. Diomidis Spinellis. Global software development in the FreeBSD project. In *Free/Open Source Software: Research, Communities and Industry*, Thessaloniki, Greece, December 2006. Aristotle University of Thessaloniki.
19. Diomidis Spinellis. Global software development in the FreeBSD project. In *NASSCOM Quality Summit 2006: Setting benchmarks in global outsourcing*, Bangalore, India, September 2006. National Association of Software and Services Companies (NASSCOM). Invited talk.
20. Diomidis Spinellis. The role of open standards and systems in establishing IT security. In *National Strategy Principles for Data and Network Confidentiality and Security*. Hellenic Authority for the Information and Communication Security and Privacy (ADAΕ), April 2005. In Greek.
21. Diomidis Spinellis. Securing open source software. Information Security Matrix Forum 2003, November 2003.
22. Diomidis Spinellis. Citizen and infrastructure security on the internet. Workshop: Cybersecurity and European Citizens: Awareness and Best Practices in the Digital Age, May 2003. In Greek.
23. Diomidis Spinellis. On the availability of e-government services. European Union, Greek Presidency 2003, Ministry of Interior, Public Administration and Decentralization. Meeting of the e-Government Working Group, March 2003.
24. Diomidis Spinellis. Reliable software implementation using domain-specific languages. Workshop: Analysis and Dimensioning Software - Problems and Applications. University of Thessaloniki, Structural Engineering Department. Postgraduate programme on aseismic design., May 2000. In Greek.
25. Diomidis Spinellis. Cryptography policy in the USA and the European Union. Seminar: IKAROS human network,

- December 1997. In Greek.
26. Diomidis Spinellis. The transition to Intranet technologies. Talk given to the Athens Netware User's Group, February 1997. In Greek.
 27. Diomidis Spinellis. Applying ISO-9001 to the development, supply, and maintenance of software. Seminar: Imperial College, Department of Computing, June 1996.
 28. Diomidis Spinellis. Client/server development tools issues. Business Technology '95: Meeting on Client / Server Development tools jointly organised by the Greek Informatics Institute and Greek Management Society, April 1995. In Greek.

6.13 Translated Works

1. Russian translation of the edited book *Beautiful Architecture*, ISBN 978-5-93286-175-2.
2. Chinese translation of the edited book *Beautiful Architecture*, ISBN 978-7-111-28356-0.
3. Japanese translation of the edited book *Beautiful Architecture*, ISBN 978-4-87311-430-9.
4. Chinese annotation version of the book *Code Quality*, ISBN 9787111226710.
5. Greek translation of the book *Code Quality*, ISBN 978-960-461-123-2.
6. Chinese translation of the book *Code Quality*, ISBN 9787115167934.
7. Japanese translation of the book *Code Quality*, ISBN 978-4-8399-1979-5.
8. Greek translation of the book *Code Reading*, ISBN 960-209-845-7.
9. Polish translation of the book *Code Reading*, ISBN 83-7361-555-5.
10. Korean translation of the book *Code Reading*, ISBN 89-5674-186-7.
11. Russian translation of the book *Code Reading*, ISBN 5-8459-0604-0.
12. Japanese translation of the book *Code Reading*, ISBN 4-8399-1265-3.
13. Chinese translation of the book *Code Reading*, ISBN 7-302-08072-0.