

# CURRICULUM VITAE

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## Biography

Joseph (Joe) W. Yoder is a founder and principal of The Refactory, a company focused on software architecture, design, implementation, consulting, and mentoring on all facets of software development. Joe is a leader in many areas of software development, specifically with Agile Best Practices. Joe's work has included working with both large and small companies, as well as working with startup organizations. Joe has years of practical hands-on experience: he has conducted architecture and design reviews of enterprise applications and systems, reviewed the design and implementation of various systems and frameworks, provided assessments and detailed analyses of existing systems, assisted with framework and object-oriented development, designed and performed custom training, and led various successful Agile teams.

Joe was a member of the Software Architecture and Patterns group at the University of Illinois. Joe is an international speaker and pattern author, a long-standing member of the ACM, and the President of The Hillside Group, a group dedicated to improving the quality of software development. Joe specializes in Software Architecture, Analysis and Design, Agile Methods, Adaptable Systems, Patterns, Refactoring, Reuse, and Frameworks. Joe is the author of many papers, including the Big Ball of Mud pattern, which illuminates fallacies in many approaches to software architecture. Joe is programming-language agnostic and has worked with many programming languages including object-oriented, functional, procedural, logical, and scripting.

Joe has worked on numerous projects using a variety of technologies, ranging from stand-alone to client-server applications, web applications, web services, cloud computing, service-oriented architecture, microservices, multi-tiered, various databases, object-oriented, frameworks, human-computer interaction, collaborative environments, and domain-specific visual-languages. These projects have spanned several domains, including Medical Information Systems, Financial Systems, Ordering, Import, Invoicing, Print, Shipping, Warehouse Management, Manufacturing, Medical Examination, Statistical Analysis, Scenario Planning, a Client-Server Relational Database System for keeping track of shared specifications in a multi-user environment, a Telecommunications Billing System, and Business & Medical Decision Making.

Joe has been teaching Agile/Lean Methods (such as Scrum, XP, Mob Programming, TDD), Design Patterns, Object Design, Refactoring, Clean Code, Being Agile at Qualities, and Testing in industrial settings. Additionally Joe has been providing assessments and evaluations, consulting and mentoring people on the above concepts, and assisting agile teams building and deploying various systems. This work has also included deploying frameworks and Domain-Specific Languages. Joe also won the New Directions award at the Software Engineering Institutes (SEI) Software Architecture conference (SATURN), which is given to the presentation that best describes innovative new approaches and thought leadership in the application of architecture-centric practices; his winning presentation was called "QA to AQ: Shifting from Quality Assurance to Agile Quality."

Joe believes software is still too hard to change. He wants to do something about this and believes that this problem can be approached with good practices, putting the ability to change software into the hands of the people with the knowledge to change it, and bringing the business side closer to the development process.

## Professional Activities:

Joe has presented a number of keynotes, tutorials, and talks; arranges workshops; and organizes technical conferences, including international conferences such as Agile, Agile Brazil, Agile Portugal, Encontro Ágil, AOSD, CSoft, GOTO, JAOO, JDD, OOP, QCon, YOW!, <Programming>, PLoP, AsianPLoP, SugarLoafPLoP, EuroPLoP, OOPSLA, ECOOP, SATURN, SPLASH, and TOOLS. He has been on the program committee for some of these conferences. Joe is a long-standing member of the following organizations: ACM, Agile Alliance, and The Hillside Group (currently President of the Board). He has interacted with professors at University São Paulo, Faculty of Engineering University of Porto, Waseda University, Keio-SFC, and others by advising and interacting with PhD and Masters students, including being on the PhD defense committees for two successful PhD defenses.

Joe's google scholar and bhl web pages can be found at:

<https://scholar.google.com/citations?hl=en&user=qmz0mOUAAAJ>

[https://dblp.uni-trier.de/pers/y/Yoder:Joseph\\_W=.html](https://dblp.uni-trier.de/pers/y/Yoder:Joseph_W=.html).

## Educational History

1992–2000:	University of Illinois at Urbana-Champaign; Ph.D. Work (Computer Science, partially completed)
1989–1992:	University of Illinois at Urbana-Champaign; M.S. (Computer Science)
1984–1989:	University of Iowa with honors and high distinction; B.S. (Computer Science and Mathematics)

## Employment History

1998–Present	<p>CEO, CTO, The Refactory, Urbana, Illinois. Architecture, Analysis, Design, and Implementation of Enterprise Business Frameworks. Also building Adaptive Systems such as Adaptive Object Models and Domain Specific Languages. Assessment and Evaluation involvement at the architectural level, as well as design, development, testing, and implementation support. Training and Mentoring such topics as Pragmatic Test Driven Development, Agile Practices including Scrum and Kanban, Refactoring, and Advanced Object-Oriented Design with Patterns.</p> <p><i>Various Consulting, Development, Mentoring, and Training</i></p> <ul style="list-style-type: none"><li>• iTuring – Development of online videos of workshops and training in many areas of Software.</li><li>• UOL PagSeguro/PagBank—Provided Architecture, Analysis, Design, and Training. Worked with several teams on evolving a monolith to refactor to better component architecture, ultimately strangling the monolith by applying microservices.</li><li>• Nubank—Architecture, Analysis, Design, and Training. Worked with various teams applying best practices including applying principles such as Domain-Driven Design, TDD, and other agile and architectural practices.</li><li>• Pravalier &amp; ELO7 – Presented interactive workshops and training on Domain Modeling for Designing Systems, Event Storming and Context Mapping; and Delivering Value with Confidence.</li><li>• National Renewable Energy Lab (NREL) – Training and Workshops on Modeling Microservices with Domain Driven Design, Clean Code Practices, Refactoring and TDD, and consulting with the architect of an NRE system.</li><li>• IBM—Expert witness regarding analysis, design, and architecture on dynamic systems such as Adaptive Object-Models and Domain Specific Languages.</li><li>• GE Health Care—Provided Architecture, Analysis, and Design for developing an Adaptive Architecture related to Adaptive Object-Models (AOMs) and Frameworks. This was done with distributed teams using Agile Processes such as SCRUM &amp; TDD.</li><li>• CERN &amp; Intel—Test Driven Development Course, Advanced Object-Oriented Analysis, Refactoring, and Design with Patterns Course.</li><li>• Itau Unibanco—Systems analysis, design, training, and consultation.</li><li>• Caterpillar —Architecture, Design, Training, Mentoring, Framework Development.</li><li>• Motorola—On-Site Design Pattern Training and Mentoring.</li><li>• Cisco—On-Site Design Patterns Training.</li><li>• US Navy and Innovative Professional Solutions, Inc.—Refactoring, Analysis, Design, and Development of Java based system.</li><li>• US Navy Air Warfare System—Design Pattern Training.</li><li>• Reliance Communications—Application Development and Agile Consulting.</li><li>• Communications Security Establishment—Adaptive Object Model Consulting and Mentoring.</li><li>• Donovan Data Systems—Object-Oriented Design and Patterns Training and Mentoring.</li><li>• MedImpact Healthcare Systems, Inc.—Refactoring Training.</li><li>• Utah Education Network—Design Patterns Training.</li><li>• Illinois Department of Insurance— Refactoring, Design, Development, and Mentoring.</li><li>• Illinois Department of Public Health—Training, Design, Mentoring, and Review, including development of various Medical Systems.</li><li>• Iron Mountain Fulfillment Services—Architecture, Analysis, and Design Training and Mentoring, including development of various Manufacturing and Financial Systems.</li></ul>
1998–Present	CEO, Web Design and Programming; Web Services; and Technical Lead CU Local Biz.com, Urbana, Illinois.
1994–1998	Object-Oriented Consulting and Teaching, Joseph Yoder Enterprises, Urbana, Illinois.
1997–1997	Object-Oriented Consulting and Programming, ClearSystems, Dallas, Texas.
1994–1998	Project Manager, Research Analyst, Designer, and Software Engineer CAT/NCSA at University of Illinois, Urbana, Illinois.
1992–1995	Project Manager, Architect, and Designer, New England Research Institute, Urbana, Illinois.
1990–1994	Teaching Assistant (excellent teaching award every semester) The University of Illinois at Urbana-Champaign.
1989–1993	Project Manager, Research Analyst, Software Designer, and Programmer. University Park Pathology Associates, P.C. and Lifespan Research Institute, Urbana, Illinois.

## Areas of Expertise

**Adaptive Object-Models**—Adaptive Object-Models ([www.adaptiveobjectmodel.com](http://www.adaptiveobjectmodel.com)) makes it easier for systems to adapt to new rules, policies, and features without programming. Joe has done early and enduring research in this area and has published these results at various Object Oriented and Software Engineering conferences.

**Agile/Lean Development Practices**—For over twenty years Joe has been working with various Agile and Lean practices, including their practical application. This has exposed him to a number of lightweight, nimble, agile/lean-style development processes which emerged from the community. Additionally, he has been involved throughout the evolution of Agile as it became mainstream and scaled to larger organizations including agile architecture. Joe has worked with many organizations with these practices, has published several papers on his experience, and is a co-author on the Scrum Patterns book published in 2019.

**Agile and Quality**—Joe has been active in the Agile community, specifically in the area of “Being Agile at Quality.” As organizations transition to agile processes, Quality Assurance (QA) activities and roles need to evolve. Traditionally, QA activities occur late in the process, after the software is fully functioning. As a consequence, QA departments have been “quality gatekeepers” rather than actively engaged in the ongoing development and delivery of quality software. Agile teams incrementally deliver working software. Incremental delivery provides an opportunity to engage in QA activities much earlier, ensuring that both functionality and important system qualities are addressed just in time, rather than a little too late. Agile teams embrace a “whole team” approach.

**Object Oriented Design and Patterns**—Joe has experience assisting newcomers learning objects and moving toward advanced object-oriented techniques including design patterns. His expertise in this area helps people create cleaner, smaller, better-factored, more comprehensible and maintainable code. Joe also offers unparalleled expertise in design patterns; he has published a few hundred patterns. Patterns distill recurring architectural, structural, and functional motifs employed by experienced designers when they construct their systems. Patterns have been proven to greatly facilitate the development process and give analysts, designers, and developers a common design vocabulary.

**Enterprise Library**—Joe was involved in the architectural design and implementation of Illinois Department of Public Health’s (IDPH) Enterprise Library. This consisted of a set of reusable frameworks and components for building Enterprise applications. He also assisted Caterpillar and Iron Mountain Fulfillment Services (IMFS) with similar work.

**Framework Development and Evolution**—Joe has been involved with some of the early work in the area of framework and object evolution. He has applied the insights he has gleaned from frameworks for a variety of domains including Financial, Insurance, Medical and Manufacturing.

**Reuse**—Reuse is often touted as one of the benefits of object-oriented technology. However, merely using object-oriented languages and tools does not make a system reusable. It takes a gift for abstraction, patience, commitment, and experience to glean reusable classes, components and frameworks from the applications that spawn them. Joe has experience on how to make reuse work. Joe has built a number of successful object-oriented frameworks, and reused these frameworks to build new applications.

**Refactoring**—Refactoring is the process of taking code that may be reaching its limits of maintainability or extensibility, and evolving that code by applying design patterns and other known principles to create an improved design that still functions as it did before. Joe was a member of the group that has been the leader in pushing this technology in industry; this group wrote the original PhD dissertations on this subject and developed the first automated commercial tools for automatic refactoring.

**Microservices**—Joe has worked with various organizations on transforming monoliths into microservices: in many cases starting with millions of lines of code in the monolith and working with the organization to replace it with many hundreds to thousands of microservices. Joe also worked with one organization creating microservices from the start of the project using functional programming and domain modeling principles such as Domain Driven Design and practices such as Mob Programming and TDD.

**Migration**—Joe has worked with experts from The Refactory who have consulted on several large migration projects. These projects transformed large, mission-critical programs and systems running on older programming languages and frameworks to run on newer languages and frameworks.

**Security and Persistence**—Joe has some particular expertise in this area, and has incorporated these insights into a number of systems, including systems for the Illinois Department of Public Health, Iron Mountain Fulfillment Services (financial and insurance), and Caterpillar. Joe’s work in this area has been published and validated as proven techniques.

**Leadership and Entrepreneurial Experience**—Joe has been involved in forming and successfully operating a number of different business models. This enabled him to lead groups of employees into specified business goals. He understands business principles and the ever-changing landscape of technology.

**Pragmatic Testing**—Joe, through The Refactory, has been a proponent of Unit Testing and Test Driven development since its inception. Joe advocates a pragmatic approach to testing. He believes testing should be a fundamental, integral part of software development process including design and programming: doing testing well leads to better designs and programs, and testing should be part of the normal day-to-day life of the programmer, not a burdensome task added at the end of the real work.

**Web-Based Experience**—Joe has been involved with the web since Mosaic emerged from NCSA. He has built a variety of object-oriented web-based applications, employing a wide range of different technologies. He also has extensive academic and commercial website design and implementation experience.

## Top Keynotes (see below for complete list and details)

- “Being Agile about Architecture”: Software Testing Symposium, Tokyo, Japan 2021
- “Fundamental IDEALS and DDD for Designing Modern Service-Based Systems”: ITAKE, Romania 2020
- “Deliver Value with Confidence: Reconnecting Developers with Agile”: ScrumRio, Rio de Janeiro, Brazil 2019
- “Sustainable Development with Agile”: WBMA AgileBrazil, Campinas, Brazil 2018
- “Microservices for Agility: Advantages and Challenges”: CBSoft Industry Track, São Carlos, Brazil 2018
- “Being Agile at Quality: Values, Practices, and Patterns”: XP Matsuri, Tokyo, Japan 2018
- “Taming Big Balls of Mud and Sustaining Architecture”: First Israel Conference on Software Architecture Conference, Herzliya, Israel 2014
- “Sustainable Architecture”: Bank of America Internal Conference, New York, NY 2014
- “Deliver Fast with Confidence”: FAST Smalltalk, Tucumán, Argentina 2016; DevCamp Campinas, Brazil 2017
- “Taming Big Balls of Mud with Agile, Diligence, and Hard Work”: SBCARS @ CBSoft, Brasília, Brazil 2013; Agile Brazil, Florianópolis, Brazil 2014; SugarLoafPLoP, Buenos Aires, Argentina 2016
- “Pragmatic, Not Dogmatic TDD: Rethinking How We Test”: CBSoft, Natal, Brazil 2012; Agile Portugal, Porto Portugal 2012
- “When Should You Consider Meta Architectures: Using Meta to Scale the Cloud”: SASC, Seoul, Korea 2011; ISSAP, Panama City, Panama 2012
- “Big Ball of Mud: Is this the Best Agile Can Do?”: JDD, Krakow, Poland 2011; SBES @ CBSoft, Salvador, Brazil 2010; Agile Portugal, Porto, Portugal 2010
- “Ultimate Agility: Let Your Users Do Your Work!”: CBSoft, Salvador, Brazil 2010
- “Big Balls of Mud in Agile Development: How to Avoid Them”: Encontro Agil, São Paulo, Brazil 2009
- “Software Patterns and Quality”: SPAQu, Tokyo, Japan 2007
- “Adaptive Object-Model Architectural Style”: ENEI, Guarda, Portugal 2007

## Publications

Eduardo B. Fernandez, Nobukazu Yoshioka,, Hironori Washizaki, and Joseph Yoder, “*Abstract security patterns and the design of secure systems*,” Cybersecurity (Springer) Journal, 2022

Mary Lynn Manns, Joseph Yoder, “*Sequences & scenarios for fearless change*,” ACM Digital Library PLoP '20 Proceedings of the 27th Conference on Pattern Languages of Programs, October 2020

Joseph Yoder, Paulo Merson, “*Strangler Patterns*,” ACM Digital Library PLoP '20 Proceedings of the 27th Conference on Pattern Languages of Programs, October 2020

Paulo Merson, Joseph Yoder, “*Modeling Microservices with DDD*,” IEEE International Conference on Software Architecture Companion (ICSA-C), Salvador Brazil, 2020

Makoto Shiraishi, Hironori Washizaki, Yoshiaki Fukazawa, Joseph Yoder, “*Mob Programming: A Systematic Literature Review*,” IEEE 43<sup>rd</sup> Annual Computer Software and Applications Conference (COMPSAC), Milwaukee WI, 2019

Jeff Sutherland, James O. Coplien, Mark den Hollander, Cesário Ramos, Esther Vervloed, Neil Harrison, Kiro Harada, Joseph Yoder, June Kim, Alan O'Callaghan, Mike Beedle, Gertrude Bjørnvig, Dina Friis, Ville Reijonen, Gabrielle Benefield, Jens Østergaard, Veli-Pekka Eloranta, Evan Leonard, Ademar Aguiar, “*A Scrum Book: The Spirit of the Game*,” Pragmatic Bookshelf, 1<sup>st</sup> edition, September 2019

Maurício Aniche, Joseph Yoder, Fabio Kon, “*Current challenges in practical object-oriented software design*,” IEEE/ACM 41<sup>st</sup> International Conference on Software Engineering New Ideas and Emerging Results (ICSE-NIER), Montréal Canada, 2019

Kei Ito, Joseph Yoder, Hironori Washizaki, Yoshiaki Fukazawa, “*A Pattern Language for Handover When People Transition*,” Journal Transactions on Pattern Languages of Programming IV, 2019

Joseph Yoder, Ademar Aguiar, Paulo Merson, Hironori Washizaki, “*Deployment Patterns for Confidence*,” AsianPLoP Tokyo, Japan, March 2019

G Priyalakshmi, R Nadarajan, JW Yoder, S Arthi, G Jayashree, “*Impact of Shuffler Design Pattern on Software Quality*,” Emerging Research in Computing, Information, Communication and Applications, Advances in Intelligent Systems and Computing, Springer Nature Singapore Pte Ltd., 2019

Joseph Yoder, Hironori Washizaki, Ademar Aguiar, “*Deliver Value with Confidence: Quality Delivery Pipeline*,” ACM Digital Library SugarLoafPLoP 2018 Valparaiso, Chile, November 2018

Joseph Yoder, Hironori Washizaki, Ademar Aguiar, “*Deliver Fast with Confidence: The Slack Time Patterns*,” AsianPLoP Tokyo, Japan, March 2018

Eduardo B. Fernandez, Nobukazu Yoshioka, Hironori Washizaki, Joseph Yoder, “*An abstract security pattern for Authentication and a derived concrete pattern, the Credential-based Authentication*,” AsianPLoP 2018 Tokyo, Japan, March 2018

Mary Lynn Manns, Joseph William Yoder, “*Patterns as structure, process, and community*,” ACM Digital Library PLoP Vancouver Canada, October 2017

Herez Moise Kattan, Frederico Oliveira, Alfredo Goldman, Joseph William Yoder, “*Mob Programming: The State of the Art and Three Case Studies of Open Source Software*,” Brazilian Workshop on Agile Methods Belém, Brazil, September 2017

Kei Ito, Hironori Washizaki, Joseph Yoder, “*More Handover Solution Patterns*,” AsianPLoP Tokyo, Japan, March 2017

Joseph Yoder, Rebecca Wirfs-Brock, Hironori Washizaki, “*QA to AQ Part Six—Enabling and Infusing Quality*,” ACM Digital Library PLoP Monticello, Illinois, October 2016

Joseph Yoder, Rebecca Wirfs-Brock, Hironori Washizaki, “*QA to AQ Part Five—Being Agile at Quality: Growing Quality Awareness and Expertise*,” AsianPLoP Taipei, Taiwan, February 2016

Kei Ito, Hironori Washizaki, Joseph Yoder, Yoshiaki Fukazawa, “*A Pattern Language for Handovers*,” ACM Digital Library PLoP Monticello, Illinois, October 2016

Joseph Yoder, Rebecca Wirfs-Brock, Hironori Washizaki, “*QA to AQ Part Four—Shifting from Quality Assurance to Agile Quality: Prioritizing Qualities and Making Them Visible*,” ACM Digital Library PLoP Pittsburgh, PA, October 2015

Eduardo Guerra, Rebecca Wirfs-Brock, Joseph Yoder, “*Patterns to Develop and Evolve an Agile Architecture during a Software Project*,” ACM Digital Library PLoP Pittsburgh, PA, October 2015

Tian Xia, Hironori Washizaki, Yoshiaki Fukazawa, Joseph Yoder, Rebecca Wirfs-Brock, “*Two-Level Checklists and Perspectives: Software Reading Techniques for Pattern Writer’s Workshop*,” ACM Digital Library PLoP Pittsburgh, PA, October 2015

Eduardo Guerra, Rebecca Wirfs-Brock, Joseph Yoder, “*Patterns for Initial Architectural Design on Agile Projects*,” AsianPLoP Tokyo, Japan, March 2015

Eduardo Guerra, Joseph Yoder, Mauricio Finavaro Aniche, Marco Aurelio Gerosa, “*The Last Two Test-Driven Development Step Patterns: Bug Locator and Pause for Housekeeping*,” ACM Digital Library SugarLoafPLoP São Paulo, Brazil, November 2014

Joseph Yoder, Eduardo Guerra, Mauricio Finavaro Aniche, Marco Aurelio Gerosa, “*Patterns for Preparing for a Test-Driven Development Session*,” ACM Digital Library PLoP Monticello, IL, Sept 2014

Joseph Yoder, Rebecca Wirfs-Brock, “*QA to AQ Part Two: Shifting from Quality Assurance to Agile Quality-Measuring and Monitoring Quality*,” ACM Digital Library PLoP Monticello, IL, September 2014

Hironori Washizaki, Suthinan Thanintranon, Joseph Yoder, Masashi Kudoya, Yoshiaki Fukazawa, Takeshi Kawamura, “*Analyzing Software Patterns Network Obtained from Portland Pattern Repository*,” ACM Digital Library PLoP Monticello, IL, September 2014

Takashi Iba, Joseph Yoder, “*Mining Interview Patterns: Patterns for Effectively Obtaining Seeds of Patterns*,” ACM Digital Library SugarLoafPLoP São Paulo, Brazil, November 2014

Joseph Yoder, Rebecca Wirfs-Brock, Hironori Washizaki, “*QA to AQ Part Three: Shifting from Quality Assurance to Agile Quality: Tearing Down the Walls*,” ACM Digital Library SugarLoafPLoP São Paulo, Brazil, November 2014

Eduardo Guerra, Joseph Yoder, Mauricio Finavaro Aniche, Marco Aurelio Gerosa, “*The Last Two Test-Driven Development Step Patterns: Bug Locater and Pause for Housekeeping*,” ACM Digital Library SugarLoafPloP São Paulo, Brazil, November 2014

Hironori Washizaki, Suthinan Thanintranon, Joseph Yoder, Masashi Kadoya, Yoshiaki Fukazawa, “*Abstract Security Patterns for Requirements and Analysis of Secure Systems*,” Proceedings of the 17th Workshop on Requirements Engineering (WER 2014), Pucon, Chile, April 23–25 2014

Eduardo B. Fernandez, Nobukazu Yoshioka, Hironori Washizaki, Joseph Yoder, “*Abstract Security Patterns for Requirements and Analysis of Secure Systems*,” Proceedings of the 17th Workshop on Requirements Engineering (WER 2014), Pucon, Chile, April 23–25 2014

Paulo Merson, Ademar Aguiar, Eduardo Guerra, Joseph Yoder, “*Continuous Inspection: A Pattern for Keeping your Code Healthy and Aligned to the Architecture*,” ACM Digital Library AsianPloP Tokyo, Japan, October 2014

Joseph Yoder, Rebecca Wirfs-Brock, Ademar Aguiar, “*A to AQ: Patterns About Transitioning from Quality Assurance to Agile Quality*,” ACM Digital Library AsianPloP Tokyo, Japan, October 2014

Gregor Hohpe, Rebecca Wirfs-Brock, Joseph W. Yoder, & Olaf Zimmermann, “*Twenty Years of Pattern Impact*,” IEEE Software 11/2013; 30(6):88-88. DOI:10.1109/MS.2013.135.1.05

Eduardo Guerra, Joseph Yoder, Maurício Aniche, Marco Aurélio Geros, “*Test-Driven Development Step Patterns for Handling Objects Dependencies*,” ACM Digital Library PLoP Monticello, IL, October 2013

Atzmon Hen-Tov, Lior Schachter, David H. Lorenz, Rebecca Wirfs-Brock, Joseph W. Yoder, “*Domain Specific Validations*,” ACM Digital Library PLoP Monticello, Illinois, October 2013

Rebecca Wirfs-Brock and Joseph William Yoder, “*Patterns for Sustaining Architecture*,” ACM Digital Library PLoP Conference, Tucson, Arizona, October 2012

Joseph W. Yoder, “*Rulemakers and Toolmakers: Adaptive Object-Models as an Agile Division of Labor*,” Proceedings of the Tenth International Conference on Aspect-Oriented Software Development (AOSD ’11) companion Pages 51–52 ACM New York, NY, USA ©2011

Joseph W. Yoder “*Rulemakers and Toolmakers: Adaptive Object-Models as an Agile Division of Labor*,” Proceedings of the Tenth International Conference on Aspect-Oriented Software Development (AOSD ’11) companion Pages 57–58 ACM New York, NY, USA ©2011

Steven Fraser, Emerson R. Murphy-Hill, Werner Wild, Joseph W. Yoder, Bo Q. Zhu, “*Going Green with Refactoring: Sustaining the ‘Worldwide Virtual Machine’*,” Companion to the 26th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications, OOPSLA 2011, part of SPLASH, Portland, OR, USA, October 22–27 2011

Daniel Cukier and Joseph William Yoder, “*The Artist in the Computer Scientist: More Humanity to our Research*,” Onward!, Portland, Oregon, Proceedings of the 10th SIGPLAN symposium on new ideas, new paradigms, and reflections on programming and software, October 2011

Patricia Megumi Matsumoto, Filipe Figueiredo Correia, Joseph William Yoder, Eduardo Guerra, Hugo Sereno Ferreira, and Ademar Aguiar, “*AOM Metadata Extension Points*,” ACM Digital Library PLoP Conference, Portland, Oregon, October 2011

Hugo Sereno Ferreira, Ademar Aguiar, Filipe Figueiredo Correia, Joseph Yoder, “*The Lazy Semantics Pattern on the Context of Meta-Architectures*,” ACM Digital Library AsianPloP Tokyo, Japan, Oct 2011

Eli Acherkan, Atzmon Hen-Tov, Lior Schachter, David H. Lorenz, Rebecca Wirfs-Brock, Joseph W. Yoder, “*Dynamic Hook Points*,” ACM Digital Library AsianPloP Tokyo, Japan, October 2011

Joseph W. Yoder and Rebecca Wirfs-Brock “*Rulemakers and Toolmakers: Adaptive Object-Models as an Agile Division of Labor*,” Proceedings of the ACM International Conference Companion on Object Oriented Programming systems languages and applications companion, pages 319–320 ACM New York, NY, USA ©2010

Hugo Sereno Ferreira, Filipe Figueiredo Correia, Joseph Yoder, Ademar Aguiar, “*Patterns of Closed Object-Oriented Meta-Architectures*,” ACM Digital Library PLoP Conference, Reno, Nevada, Oct 2010

Atzmon Hen-Tov, Lena Nikolaev, Lior Schachter, Rebecca Wirfs-Brock, Joseph W. Yoder, “*Dynamic Model Evolution*,” ACM Digital Library PLoP Conference, Reno, Nevada, October 2010

Atzmon Hen-Tov, Lena Nikolaev, Lior Schachter, Rebecca Wirfs-Brock, Joseph W. Yoder, “*Adaptive Object-Model Evolution Patterns*,” ACM Digital Library SugarLoafPloP Conference, Bahia, Brazil, September 2010

- Leon Welicki, Rebecca Wirfs-Brock, Joseph W. Yoder, “*Adaptive Object Model Builder*,” ACM Digital Library PLoP Conference, Chicago, IL, August 2009
- León Welicki, Rebecca Wirfs-Brock, Joseph Yoder, “*The Dynamic Factory Pattern*,” ACM Digital Library, PLoP Conference, Monticello, IL, September 2008
- León Welicki, Joseph W. Yoder, Rebecca Wirfs-Brock, Ralph Johnson, “*Towards a Pattern Language for Adaptive Object-Models*,” Companion of the 22<sup>st</sup> ACM SIGPLAN Object Oriented Programming Systems, Languages, and Applications, Montréal, Canada, October 21–25 2007
- León Welicki, Rebecca Wirfs-Brock, Joseph Yoder, “*Rendering Patterns for Adaptive Object-Models*,” Workshop Position Paper, PLoP Conference, Monticello, IL, September 2007
- Francisco José da Silva e Silva, Fabio Kon, Joseph Yoder, Ralph Johnson, “*A Pattern Language for Adaptive Distributed Systems*,” SugarLoafPLoP; Campos do Jordão, Brazil, August 16–19 2005
- Reza Razavi, Noury Bouraqadi, Joseph Yoder, Jean-Freançois Perrot, Ralph Johnson, “*Language Support for Adaptive Object-Models Using Metaclasses*,” Published in Computer Languages, Systems, and Structure Vol 31, 199–218, 2005
- Ayla Dantas, Joseph W. Yoder, Paulo Borba, and Ralph Johnson, “*Using Aspects to Make Adaptive Object-Models Adaptable*,” European Conference on Object Oriented Programming (ECOOP ’04); Oslo, Norway, June 2004
- Alfredo Goldman, Fabio Kon, Paulo J. S. Silva, and Joseph Yoder, “*Being Extreme in the Classroom: Experiences Teaching XP*,” Journal of the Brazilian Computer Society; Vol. 10, number 2, pp. 1–17, 2004
- Joseph W. Yoder, Ralph Johnson, “*The Adaptive Object-Model Architectural Style*,” Published in The Proceeding of The Working IEEE/IFIP Conference on Software Architecture 2002 (WICSA3 ’02) at the World Computer Congress in Montréal 2002, August 2002. Software Architecture System Design, Development and Maintenance Edited by Jan Bosch, Morven Gentleman, Christine Hofmeister, and Juha Kuusela; Kluwer Academic Publishers, 2002
- Nicolas Revault, Joseph W. Yoder, “*Adaptive Object-Models and Metamodeling Techniques*,” Workshop Results; ECOOP Budapest, Hungary, June 2001; ECOOP Workshop Reader; Lecture Notes in Computer Science; Springer Verlag, 2001
- Joseph W. Yoder, Federico Balaguer, Ralph Johnson, “*Architecture and Design of Adaptive Object-Models*,” Technology Presentation at the 2001 Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA ’01); ACM SIGPLAN Notices, ACM Press, December 2001
- Joseph W. Yoder, Federico Balaguer, Ralph Johnson, “*Adaptive Object-Models for Implementing Business Rules*,” 3<sup>rd</sup> Workshop on Best-Practices for Business Rules Design and Implementation, OOPSLA Tampa, Florida, October 2001
- Joseph W. Yoder, Reza Razavi, “*Metadata and Adaptive Object-Models*,” Workshop Results; ECOOP Cannes, France, June 2000. ECOOP Workshop Reader; Lecture Notes in Computer Science, vol. no. 1964; Springer Verlag, 2000
- Joseph W. Yoder, Reza Razavi, “*Adaptive Object-Models*,” OOPSLA Poster Session Abstract; OOPSLA Companion Minneapolis, Minnesota, OOPSLA Addendum, 2000
- Brian Foote, Joseph W. Yoder, “*Big Ball of Mud*,” Fourth Conference on Patterns Languages of Programs (PLoP ’97) Monticello, Illinois, September 1997. Technical report #wucs-97-34, Dept. of Computer Science, Washington University Department of Computer Science, September 1997. Pattern Languages of Programs Design 4, edited by Neil Harrison, Brian Foote, and Hans Rohnert. Addison Wesley, 2000
- Joseph W. Yoder, Jeffrey Barcalow, “*Architectural Patterns for Enabling Application Security*,” Fourth Conference on Patterns Languages of Programs (PLoP ’97) Monticello, Illinois, September 1997. Technical report #wucs-97-34, Dept. of Computer Science, Washington University Department of Computer Science, September 1997. Pattern Languages of Programs Design 4 edited by Neil Harrison, Brian Foote, and Hans Rohnert. Addison Wesley, 2000
- Joseph W. Yoder, Ralph Johnson, Quince Wilson, “*Connecting Business Objects to Relational Databases*,” Fifth Conference on Patterns Languages of Programs (PLoP ’98) Monticello, Illinois, August 1998. Technical report #wucs-98-25, Dept. of Computer Science, Washington University Department of Computer Science, September 1998
- Joseph W. Yoder, Brian Foote, Dirk Riehle, Michel Tilman, “*Metadata and Active Object-Models*,” Workshop Results Submission; OOPSLA Addendum, Vancouver, Canada, 1998

Brian Foote, Joseph W. Yoder, "*Metadata and Active Object-Models*," Fifth Conference on Patterns Languages of Programs (PLoP '98) Monticello, Illinois, August 1998. Technical report #wucs-98-25, Dept. of Computer Science, Washington University Department of Computer Science, September 1998

Brian Foote, Joseph W. Yoder, "*Metadata and Active Object-Models*," Workshop Position Paper; OOPSLA, Vancouver, Canada 1998

Joseph W. Yoder, Donald F. Schultz, Ben T. Williams, "*The MEDIGATE Graphical User Interface for Entry of Physical Findings: Design Principles and Implementation*," The Journal of Medical Systems, 1998. October 1998, Vol 22, No. 5

Brian Foote, Joseph W. Yoder, "*The Selfish Class*," Third Conference on Patterns Languages of Programs (PLoP '96) Monticello, Illinois, September 1996, Pattern Languages of Program Design 3, edited by Robert Martin, Dirk Riehle, and Frank Buschman Addison-Wesley, 1997

John Brant, Joseph W. Yoder, "*Creating Reports with Query Objects*," Third Conference on Patterns Languages of Programs (PLoP '96) Monticello, Illinois, September 1996, Pattern Languages of Program Design 3, edited by Robert Martin, Dirk Riehle, and Frank Buschman Addison-Wesley, 1997

Joseph W. Yoder, "*Patterns for Developing Successful Object-Oriented Frameworks*," Workshop Position Paper; OOPSLA, Atlanta. Georgia, 1997

Joseph W. Yoder, "*A Framework for Building Financial Models*," Unpublished description of Architecture, Design, and Implementation details; CAT/NCSA, 1997

Joseph W. Yoder, "*Development of Object-Oriented Frameworks*," Workshop Position Paper; OOPSLA, San Jose, California, 1996

Joseph W. Yoder, "*The People Side of Object-Oriented Technology*," Workshop Position Paper; OOPSLA, San Jose, California, 1996

Brian Foote, Joseph W. Yoder, "*Evolution, Architecture and Metamorphosis*," Second Conference on Patterns Languages of Programs (PLoP '95) Monticello, Illinois, September 1995, Pattern Languages of Program Design 2, edited by John M. Vlissides, James O. Coplien, and Norman L. Kerth Addison-Wesley, 1996

Joseph W. Yoder, "*Application of Domain Analysis Techniques to Object-Oriented Systems*," Workshop Position Paper; OOPSLA, Austin, Texas, 1995

Joseph W. Yoder, "*Patterns for Decision-Making in Architectural Design*," Workshop Position Paper; OOPSLA, Austin, Texas, 1995

Ben T. Williams, Joseph W. Yoder, Erik Littell, "*Probability Graphics Support for Medical Reasoning*," Methods of Information in Medicine, 1993, 32: pp. 229–232

Joseph W. Yoder, "*The Role of Human-Computer Interaction in Medical Information Systems: Principles and Implementation of MEDIGATE*," MS Thesis, University of Illinois at Urbana-Champaign, Department of Computer Science, 1992

Ben T. Williams, Joseph W. Yoder, Donald F. Schultz, "*The MEDIGATE System for Direct Entry of Physical Findings by the Examiner: User Interface Issues*" Health Evaluation: Searching for the Hidden Defect; Proceedings of The International Health Evaluation Association Annual Symposium on The Art and Science of Preventive Medicine, La Jolla, California USA, Felitti, V.J. ed, pp. 107–114, 1990



## Professional Activities Overview by Year

2022	Organizer, Program Committee, Workshops for PLoP Conference
2022	Program Committee, Shepherding for eXtreme Programming Conference
2022	Invited Talk at Keio-SFC, Tokyo, Japan
2022	Invited Talk at Faculdade de Engenharia da Universidade do Porto, Portugal
2021	Organizer, Program Committee, Workshops for PLoP Conference
2021	Tutorial and Presentation at Pacific Northwest Software Quality Conference
2021	Keynote Presentation at eXtreme Programming XP 2021
2021	Talks, and Workshops online at USP-IME, and local companies, Brazil
2021	Keynote and Workshops at Software Testing Symposium, Japan
2021	Talks and Workshops at OOP Software Architecture, München, Germany
2020	Keynote and Workshops at AsianPLoP, Tokyo, Japan
2020	Program Committee and Organizer AsianPLoP, Tokyo, Japan
2020	Organizer, Program Committee, Workshops, Papers for PLoP Online Conference
2020	eXtreme Programming (XP 2020) Sessions Chair
2020	Keynotes, Talks, and Workshops online at USP-IME, and local companies, Brazil
2020	Keynotes online @ ITAKE and @ Software Testing Symposium, Romania and Japan
2020	Organizer and Panel Presenter online at Mob Programming Gathering, Boston Massachusetts
2020	Talks and Workshop at USP-IME, and local companies, São Paulo, Brazil
2019	Organizer, Program Committee, Workshops for PLoP, Ottawa, Ontario, Canada
2019	Invited Talks at Agile Brazil and local companies, Belo Horizonte, Brazil
2019	Keynote, Workshops, and Talks at Scrum Rio and Knowledge21, Rio de Janeiro, Brazil
2019	Invited Talks and Workshops at Agile Groups, and local companies, Araraquara, Brazil
2019	Invited Talks and Workshops at Agile Groups, and local companies, Uberlândia, Brazil
2019	Talks and interactions with PhD students FEUP, Porto, Portugal
2019	Talks and Workshops at AsianPLoP, Waseda, Keio-SFC, and local companies, Tokyo, Japan
2019	Program Chair and Organizer AsianPLoP, Tokyo, Japan
2019	Talk and Workshop at SATURN, Pittsburg, PA
2019	Talks and Workshops at OOP Software Architecture, München, Germany
2019	Talks and Workshop at USP-IME, Java User Group, and local companies, São Paulo, Brazil
2018	Program Committee, Keynote, and Workshops SugarLoafPLoP, Valparaiso, Chile
2018	Organizer, Program Committee, Workshops for PLoP, Portland, OR
2018	Keynote, Talks, Workshop, Panel, and Tutorial WBMA @ Agile Brazil, São Carlos, Brazil
2018	Keynote, Workshop, Panel, and Tutorial @ CBSOFT, São Carlos, Brazil
2018	Talks and interactions with PhD students Faculdade de Engenharia da Universidade do Porto, Portugal
2018	Invited Talk and Experience Report Chair XP Conference and Agile Portugal, Porto, Portugal
2018	Workshops at AsianPLoP and local companies, Tokyo, Japan
2018	Program Chair and Organizer at AsianPLoP, Tokyo, Japan
2018	Workshop at SATURN, Plano, TX
2018	Talks, Workshops, and student interactions, Friedrich-Alexander University, Nürnberg, Germany
2018	Invited Talk, Workshops, Panel at OOP Architecture, and local companies, Munich, Germany
2018	Talks and Workshops at USP-IME and local companies, São Paulo, Brazil
2017	Director of Local Operations, Organizer, Program Committee for PLoP, Vancouver, Canada
2017	Talks, Courses, and Workshop s at Keio-SFC, Waseda, and local companies, Tokyo, Japan
2017	Talks at USP-IME and local companies, São Paulo, Brazil
2017	Talks at Daimler AG, Stuttgart, Germany
2017	Organizer, Workshops, and Talk at MiniPLoP <Programming>, Brussels, Belgium
2017	Invited Talks SATURN, Denver, CO
2017	Workshops at VikingPLoP and local companies, Tokyo, Japan
2017	Talks and interactions with PhD students Hasso Plattner Institute, Potsdam, Germany
2017	Keynote and Talks at DevCamp and local companies, Campinas, Brazil
2017	Workshops at AsianPLoP and local companies, Tokyo, Japan
2017	Programming Committee and Organizer AsianPLoP, Tokyo, Japan
2016	Talk and Workshops at Agile Tour Osaka and local companies, Tokyo and Osaka, Japan
2016	Talk and Workshops at Agile Brazil, Curitiba, Brazil
2016	Talks and Workshops at Universidad Nacional University, La Plata, Argentina
2016	Program Committee, Keynote, and Workshops SugarLoafPLoP, Buenos Aires, Argentina
2016	Talks and Workshops FAST Smalltalk, Tucumán, Argentina
2016	Invited Talks at JDD and local companies, Krakow, Poland
2016	Director of Local Operations, Organizer, Program Committee for PLoP, Allerton, IL
2016	Talks and Workshops at local companies, São Paulo, Brazil
2016	Talks and Workshop s at Keio-SFC, Waseda, and local companies, Tokyo, Japan
2016	Talk at Agile Conference, Atlanta, GA
2016	Workshop at GOTO Conference, Chicago, IL

2016	Invited Talks and Workshop at DevCamp and local companies, Campinas, Brazil
2016	Invited Talks and Workshop at AsianPloP and local companies, Taipei, Taiwan
2016	Programming Committee and Organizer AsianPloP, Taipei, Taiwan
2015	Invited Talks and Workshop at YOW!: Melbourne, Brisbane, and Sydney Australia
2015	Director of Local Operations for PLoP, Pittsburgh, PA
2015	Program Committee Member PLoP, Pittsburgh, PA
2015	Talk and Workshop at Agile Brazil, Porto de Galinhas, Brazil
2015	Invited Talk at UFPE—Universidade Federal de Pernambuco, Recife, Brazil
2015	Invited Talk at JDD and local companies, Kraków, Poland
2015	Invited Talk University of Wisconsin Information Technology Peer Group Meeting
2015	Oranizing Committee and Track Chair Lambda Jam 2015
2015	Steering Committee & Panel Organizer, Agile Portugal Porto, Portugal
2015	Mob Programming and Agile Talk at the San Diego Users Group, San Diego, CA
2015	New Directions Award for “Being Agile at Quality” Talk, SATURN, Baltimore, MD
2015	Invited Talks SATURN, Baltimore, MD
2015	Focus Group and Workshop at AsianPloP, Tokyo, Japan
2015	Refactoring and TDD Course local companies, São Paulo, Brazil
2014	Workshop at First Israel Conference on Software Architecture Conference, Herzliya, Israel
2014	Keynote at First Israel Conference on Software Architecture Conference, Herzliya, Israel
2014	SPLASH Tutorial Portland, OR
2014	Invited Talk at H&M Stockholm, Sweden
2014	Attendee and Tutorial at SPLASH, Portland, OR
2014	Talk and Workshops at JDD, Krakow, Poland
2014	Tech Talk at UOL, São Paulo, Brazil
2014	Invited Talk at Objective <something>, Maringá, Brazil
2014	Opening Keynote and Invited Talk, Agile Brazil Florianópolis, Santa Catarina
2014	Program Committee, Workshops, Talks at SugarLoafPloP, Ilha Bela, São Paulo, Brazil
2014	Bank of America Keynote and Workshop, New York, NY
2014	Refactoring and TDD Course Japan, Tokyo, Japan
2014	Teams that Innovate TDD Course, São Paulo, Brazil
2014	Refactoring and TDD Course, São Paulo, Brazil
2014	Invited Talk ThoughtWorks, Chicago, IL
2014	Invited Talks and Workshop JDD, Kraków, Poland
2014	Training for CISCO, Boxborough, MA
2014	PLoP Conference Co-Chair and Bootcamp Presenter, Allerton, IL
2014	Programming Committee Member PLoP, Allerton, IL
2014	Director of Operations, PLoP, Allerton Park, Monticello, IL
2014	Steering Committee & Panel Organizer, Agile Portugal, Lieria, Portugal
2014–2019	Pattern Book SCRUM PLoP, Tisvildeleje, Denmark and Quinta Da Pachea, Portugal
2014	Programming Committee and Talk/Workshop AsianPloP, Tokyo, Japan
2014–Present	Collaboration with Keio-SFC (Professor Takashi Iba), Tokyo, Japan
2014–Present	Agile and XP conference experience reports, assisted with shepherding and PC at various times
22013	Looking Forward Looking Backwards Panel, PLoP
2013	Director of Operations, PLoP, Allerton Park, Monticello, IL
2013	PLoP Bootcamp Presentation, Allerton Park, IL
2013	Organizer, Programming Committee Member and Workshops, PLoP
2013	Invited Talks and Workshops at JDD and local companies, Kraków, Poland
2013	Progammig Committee FlexiTools 2013 @ SPLASH, Indianapolis, Indiana
2013	Workshop Presentation and Tutorial @ CBSofT, Brasilia, Brazil
2013	Keynote Address SBCARS @ CBSofT, Brasilia, Brazil
2013	Training for CERN, Geneva, Switzerland
2013	Invited Talk INPE, São José dos Campos, Brazil
2013	Keynote Address, MiniPloP, Brasília, Brazil
2013	Program Committee and Invited Talk, SugarLoafPloP, Brasilia, Brazil
2013	Invited Talk, Agile Nashville, Nashville, TN
2013	Invited Talk and Tutorial, Agile/Scrum PT, Lisbon, Portugal
2013	Organizational Committee Member, Agile/Scrum PT, Lisbon, Portugal
2013	Track Host, GOTO, Chicago, IL
2012	Training for Intel, Gdansk, Poland
2012	Training for Intel and Talks, Haifa and Tel-Aviv, Israel
2012	PLoP Bootcamp Presentation and Focus Group Organizer
2012	Program Committee Member, PLoP
2012	Director of Operations, PLoP, Tucson, AZ
2012	Two Invited Talks, JDD Kraków, Poland
2012	Program Committee and Invited Talk, SugarLoafPloP, Natal, Brazil

2012	Keynote Address, CBSOft, Natal, Brazil
2012	Brazilian Workshop on Agile Methods (WBMA), Agile Brazil
2012	Invited Talk, Agile Dallas, TX
2012	Planning Committee Member, ISSAP, Panama City, Panama
2012	Keynote Address, ISSAP, Panama City, Panama
2012	Organizational Committee Member, Agile PT, Porto, Portugal
2012	Organizational Committee Chair, ChiliPloP, Las Vegas, NM
2011	Tutorials presented at AOSD, Porto de Galinhas, Brazil
2011	PhD Defense Committee, Porto, Portugal.
2011	Organizer, Meta PLoP, Porto, Portugal.
2011	Program Chair, Agile PT, Porto, Portugal.
2011	Program Committee Member, PLoP
2011	Program Committee Member, OOPSLA
2011	Program Committee Member, AsianPloP
2010	Program Committee Member and Paper Presentation, PLoP, Reno, NV
2010	Industrial Track Keynote, SBES, Salvador, Brazil
2010	Panel Presenter, CBSOft, Salvador, Brazil
2010	Pattern 2010 Program Committee, Krakow, Poland
2010	Program Committee, Tutorial, and Talk, SugarLoafPloP, Bahia, Brazil
2010	Program Committee, Organizer, and Keynote, Agile Portugal, Porto, Portugal
2010	Invited Talk, OTUG, Minneapolis, Minnesota
2010	Conference Organizer and Attendee, ParaPloP, Carefree, AZ
2010	Program Committee Member and Tutorial, AsianPloP, Tokyo, Japan
2009	Architecture for the Architect Track Organizer & Presenter, QCon, San Francisco, CA
2009	Panel and Presentation, OOPSLA, Orlando, FL
2009	Pattern 2009 Program Committee, Linz, Austria
2009	Keynote Address and Tutorial, Encontro Ágil, São Paulo, Brazil
2009	Talk and Attendee, Agile, Chicago, IL
2009	Program Committee Member, PLoP, Chicago, IL
2009	Attendee, ChiliPloP, Carefree, AZ
2008	Effective Design and Clean Code Track Organizer & Presenter, QCon, San Francisco, CA
2008	Panels Committee Member, OOPSLA, Nashville, TN
2008	Co-Conference Chair and Program Committee Member, PLoP (collocated conference), OOPSLA, Nashville, TN
2008	Invited Remote Talk, SugarLoafPloP, Brazil
2008	Patterns Program Committee, Turin, Italy
2008	Invited Talk, Dr. Dobbs Architecture & Design World, Chicago, IL
2008	Co-organizer and Attendee, ChiliPloP, Carefree, AZ
2008	TOOLS Web 2.0 Workshop Organizer, Zurich, Switzerland
2007–Present	Collaboration with Waseda (Professor Hironori Washizaki), Tokyo, Japan
2007	Invited Talks and Panel, SPAQu, Nagoya, Japan
2007	Invited Talks Waseda and NII, Tokyo, Japan
2007–Present	Interactions and Collaborations with faculty and students Waseda and Keio-SFC, Tokyo, Japan
2007	Panels Chair, OOPSLA, Montréal, Canada
2007	Program Chair, Organizer, and Workshops, PLoP, Monticello, IL
2007	SPatterns Program Committee, Regensburg, Germany
2007	Attendee, Talks, and Workshop, IFS, Germany
2007	Program Committee Member, SugarLoafPloP, Brazil
2007–Present	Collaboration with FEUP (Professor Ademar Aguiar and others), Porto Portugal
2007–Present	Interactions and collaborations with Masters/PhD students FEUP, Portugal
2007	Design Patterns and other workshops talks at FEUP and local companies, Portugal
2007	Adaptive Object Model Keynote, ENEI, Portugal
2006	Program Committee Member, OOPSLA, Portland, OR
2006	Co-Program Chair and Program Committee Member, PLoP, Portland, OR
2005	Program Committee Member, SugarLoafPloP, Brazil
2005	Attendee and Tutorial, OOPSLA, San Diego, CA
2005	Attendee and Tutorial, ECOOP, Scotland.
2005	Program Committee Member, PLoP, Monticello, IL
2004	Conference Coordinator for Allerton, PLoP, IL
2004	Attendee, ChiliPloP, Carefree, AZ
2004	Program Committee & Paper Presentation, SugarLoafPloP, Brazil
2004	Attendee and Tutorial, OOPSLA, Vancouver, Canada
2004	Workshop Organizer, Attendee, and Tutorial, ECOOP, Norway
2003–Present	Collaboration with XP Lab @ IME-USP (Professor Fabio Kon and Alfredo Goldman)
2003	Workshop Organizer, Attendee, and Tutorial, ECOOP, Germany

2003	Program Committee Member, OOPSLA, Anaheim CA
2003	Attendee and Paper Presentation, SugarLoafPloP, Brazil
2002–Present	Program Committee Member, PLoP, IL
2002–Present	Interactions and collaborations with Professors and PhD students around Brazil
2002	Program Chair, SugarLoafPloP in Brazil
2002	Attendee and Paper Presentation, World Computer Conference, Montréal
2002	Attendee and Paper Presentation, WICSA3
2002	Attendee and Paper Presentation, OOPSLA, Seattle, WA
2001	Workshop Organizer, Attendee, and Tutorial, ECOOP, Hungary
2000	Attendee and Paper Presentation, OOPSLA, Tampa Bay, FL
2000	Attendee and Paper Presentation, OOPSLA, Minneapolis, MN
2000	Workshop Organizer, Attendee, and Paper Presentation, ECOOP, France
1998	Conference Chair and Program Committee Member, PLoP, Monticello IL
1998–Present	Hillside Member and PLoP Organizer of pattern conferences
1994–Present	PLoP Attendee, OOPSLA/SPLASH Attendee, and Pattern Author
1993–2005	Co-founder and Member, Software Architecture Group (UIUC Patterns)

## Professional Tutorials, Training, Keynotes, and Talks

<i>Delivering Value with Confidence</i> <i>Being Agile by Bridging the Gap</i> National Renewal Energy Lab (NREL) Workshop Online April 2022	<i>QA2AQ – Being Agile at Quality:  Values, Practices, and Pattern</i> Pacific Northwest Software Quality PNSQC Conference Online October 2021
<i>Pragmatic Test Driven Development</i> National Renewal Energy Lab (NREL) Workshop Online April 2022	<i>Clean Code and Refactoring</i> National Renewal Energy Lab (NREL) Workshop Online September 2021
<i>Microservices for Scaling</i> Faculdade de Engenharia da Universidade do Porto Invited Talk, Porto, Portugal January 2022	<i>IDEALS and DDD for Modeling Microservices</i> National Renewal Energy Lab (NREL) Workshop Online September 2021
<i>Patterns as Structure Process and Community</i> Keio-SFC University Invited Lecture Iba Lab Online January, 2022	<i>Cloud Adoption Patterns Exploraton</i> PLoPourri Workshop Online September 2021
<i>A Methodological, Philosophical, and  Educational Study on Pattern Languages</i> PLoPourri Workshop Online January 2022	<i>Evolving Monolith to Microservices</i> eXtreme Programming XP2021 Workshop Keynote Online June, 2021
<i>Being Agile about Architecture:  Sustainable Archtecture</i> iTuring Invited Talk Online November, 2021	<i>Making Agile Happen: It's All About the People</i> Fearless Change Workshop Online April 2021
<i>Microservices for Agility:  The PagSeguro Story</i> iTuring Invited Talk Online November, 2021	<i>Being Agile about Quality:  Values, Practices, and Patterns</i> Japan Symposium on Software Testing Tutorial (JaSST) Tokyo, Japan March 2021
<i>Evolving Monolith to Microservices:  Strangling the Monolith</i> University of Oslo Invited Lecture Online November, 2021	<i>Being Agile about Architecture</i> Japan Symposium on Software Testing Keynote (JaSST) Tokyo, Japan March 2021
<i>Being Agile about Architecture:  Just Enough Archtecture</i> University of Oslo Invited Lecture Online October, 2021	<i>Patterns, Principles, and Agile Connections Panel</i> PLoPourri and Agile20 Reflect Online February 2021
<i>Fearless Change Campfire</i> PLoPourri Workshop Online October 2021	<i>Pattern Mining Workshop</i> PLoPourri and Agile20 Reflect Online February 2021
<i>Delivering Value with Confidence</i> Elo7 Serviços Informática S.A. Workshop Online October 2021	<i>Making Agile Happen: It's All About the People</i> PLoPourri and Agile20 Reflect Online February 2021
	<i>Fundamental IDEALS for Modeling Microservices</i> OOP Software Architecture Talk München, Germany February 2021

<i>Evolving Monoliths to Microservices</i> OOP Software Architecture Talk München, Germany February 2021	<i>IDEALS and DDD for Modeling Microservices</i> PagSeguro Workshop Online April 2020
<i>Deployment Patterns for Confidence: Quality Delivery Pipeline</i> OOP Software Architecture Talk München, Germany February 2021	<i>Essential Microservice Design</i> PagSeguro Workshop Online April 2020
<i>Domain Modeling Techniques</i> PLoP Workshop Online October 2020	<i>Fundamental IDEALS and DDD for Designing Modern Service-based Systems</i> ITAKE Keynote, Online April 2020
<i>Pre-PLoP Bootcamp</i> PLoP Workshop Online October 2020	<i>Being Agile about Architecture</i> Software Testing Symposium Keynote Tokyo, Japan March 2020
<i>Managing Agile Projects and Teams</i> UNC Asheville Invited Lecture Online August 2020	<i>Fantastic Metrics: Where and How to Find Them</i> PagSeguro Workshop São Paulo, Brazil February 2020
<i>Scrum Patterns Book Club</i> Workshop Presentation Online August 2020	<i>Sustainable Development: Managing Technical Debt</i> PagSeguro Workshop São Paulo, Brazil February 2020
<i>Being Agile about Quality: Values, Practices, and Patterns</i> Waseda University Invited Lecture Online August, 2021	<i>Microservices for Agility</i> Pravaler Invited Talk São Paulo, Brazil February 2020
<i>Managing Agile Projects and Teams</i> UNC Asheville Invited Lecture Online August 2020	<i>Ten Tenets of Testing: Key Testing Principle</i> Nubank Talk São Paulo, Brazil January 2020
<i>Microservices for Agility: IDEALS and DDD for Modeling Microservices</i> Alterdata Tech Meetup Keynote, Online July 2020	<i>Fantastic Metrics: Where and How to Find Them</i> PagSeguro Workshop São Paulo, Brazil January 2020
<i>IDEALS and DDD for Modeling Microservices</i> Nubank Workshop Online July 2020	<i>Sustainable Development: Managing Technical Debt</i> PagSeguro Workshop São Paulo, Brazil January 2020
<i>Essential Microservice Design</i> Nubank Workshop Online July 2020	<i>IDEALS and DDD for Modeling Microservices</i> Nubank Workshop São Paulo, Brazil January 2020
<i>Learning Together Remotely</i> Mob Programming Gathering Panel Online June 2020	<i>Essential Microservice Design</i> Nubank Workshop São Paulo January 2020
<i>Domain Modeling for Design systems: Event Storming and Context Mapping</i> Pravaler Talk, Online June 2020	<i>IDEALS and DDD for Modeling Microservices</i> PagSeguro/Invillia Workshop Araraquara, Brazil November 2019
<i>Swarming: The Surprising Benefits of Mob Programming</i> USP CodeLab Talk Online June 2020	<i>Essential Microservice Design</i> PagSeguro/Invillia Workshop Araraquara, Brazil November 2019
<i>IDEALS and DDD for Modeling Microservices</i> Nubank Workshop Online June 2020	<i>Clean Code, Refactoring, TDD, and Patterns</i> PagSeguro/Invillia Workshop Araraquara, Brazil November 2019
<i>Essential Microservice Design</i> Nubank Workshop Online May 2020	<i>IDEALS and DDD for Modeling Microservices</i> PagSeguro/TQI Workshop Uberlandia, Brazil November 2019
<i>Swarming: The Surprising Benefits of Mob Programming</i> Nubank Invited Talk Online May 2020	<i>Essential Microservice Design</i> PagSeguro/TQI Workshop Uberlandia, Brazil November 2019

*The Power of Patterns and Pattern Languages*  
Waseda University Talk  
Tokyo, Japan November 2019

*Agile Quality*  
Waseda University Workshop  
Tokyo, Japan Nov 2019

*Being Agile at Quality*  
Agile Tour Osaka Workshop  
Osaka, Japan November 2019

*Agile Quality*  
Agile Tour Osaka Workshop  
Osaka, Japan November 2019

*Split without Breaking*  
InterAgile Talk  
São Carlos, Brazil November 2019

*Deliver Value with Confidence:  
Reconnecting Developers with Agile*  
TQI/Agile Invited Talk  
Uberlandia, Brazil November v 2019

*Deliver Value with Confidence:  
Reconnecting Developers with Agile*  
Invillia/Agile meetup  
Araraquara, Brazil November 2019

*Clean Code, Refactoring, TDD, and Patterns*  
PagSeguro/TQI Workshop  
Uberlandia, Brazil November 2019

*The Power of Patterns  
and Pattern Languages*  
USP XP lab  
São Paulo, Brazil October 2019

*Pre-PLoP Bootcamp*  
PLoP Workshop  
Ottawa, Canada October 2019

*Scrum Patterns*  
Agile Brazil Talk  
Belo Horizonte, Brazil September 2019

*Microservices for Agility*  
PagSeguro/USP Codelab Meetup  
São Paulo, Brazil September 2019

*Reconnecting Developers to Agile*  
PagSeguro/USP Codelab Meetup  
São Paulo, Brazil September 2019

*Fantastic Metrics:  
Where and How to Find Them*  
Nubank Talk  
São Paulo, Brazil September 2019

*Sustainable Development:  
Managing Technical Debt*  
Nubank Invited Talk  
São Paulo, Brazil September 2019

*IDEALS and DDD  
for Modeling Microservices*  
Nubank Workshop  
São Paulo, Brazil August 2019

*Being Agile about Architecture*  
B2W Marketplace Summit Invited Talk  
São Paulo, Brazil July 2019

*Scrum Patterns*  
UOL PagSeguro Workshop  
São Paulo, Brazil July 2019

*Swarming: The Surprising Benefits  
of Mob Programming*  
Scrum Rio Workshop  
Rio de Janeiro, Brazil June 2019

*Deliver Value with Confidence:  
Reconnecting Developers with Agile*  
Scrum Rio Keynote  
Rio de Janeiro, Brazil June 2019

*Scrum Patterns*  
Knowledge21 Workshop  
Rio de Janeiro, Brazil June 2019

*Microservices for Agility*  
Faculdade de Engenharia da Universidade do Porto  
Invited Talk, Porto Portugal, May 2019

*Fundamental IDEALS for Designing  
Modern Service-Based Systems*  
SATURN Talk  
Pittsburg, PA May 2019

*Modeling Microservices using DDD*  
SATURN Talk  
Pittsburg, PA May 2019

*Being Agile about Architecture*  
SATURN Workshop  
Pittsburg, PA May 2019

*Mob Programming*  
PagSeguro Talk  
São Paulo, Brazil April 2019

*IDEALS and DDD for Designing  
Modern Service-based Systems*  
IME-USP Workshop  
São Paulo, Brazil April 2019

*Fundamental Ideals and Domain-Driven  
Design for Modeling Microservices*  
PagSeguro Workshop  
São Paulo, Brazil April 2019

*Essential Microservice Design*  
UOL PagSeguro Workshop  
São Paulo, Brazil April 2019

*Essential Microservice Design*  
PagSeguro/Invillia Workshop  
Araraquara, Brazil April 2019

*Fundamental Ideals and Domain-Driven  
Design for Modeling Microservices*  
PagSeguro/Invillia Workshop  
Araraquara, Brazil April 2019

*Agile Quality*  
AsianPLoP Workshop  
Tokyo, Japan March 2019

<i>Pre-PLoP Bootcamp</i> AsianPLoP Workshop Tokyo, Japan March 2019	<i>Microservices for Agility: The PagSeguro Story</i> AgileBrazil Invited Talk Campinas, Brazil October 2018
<i>Patterns, Refactoring, TDD, and Clean Code</i> Invillia/Agile Meetup Araraquara, Brazil February 2019	<i>Sustainable Development with Agile</i> WBMA AgileBrazil Keynote Campinas, Brazil October 2018
<i>Extreme Programming: TDD and Strong Pairing</i> PagSeguro Talk São Paulo, Brazil February 2019	<i>Software Engineering vs Data Science: Challenges and Patterns</i> CBSoft Panel Campinas, Brazil September 2018
<i>Microservices for Agility: The PagSeguro Story</i> Java Group Talk São Paulo, Brazil February 2019	<i>Microservices for Agility: Advantages and Challenges</i> CBSoft Industry Track Keynote São Carlos, Brazil September 2018
<i>Fundamental Ideals and Domain-Driven Design for Modeling Microservices</i> PagSeguro Workshop São Paulo, Brazil March 2019	<i>Being Agile at Quality</i> PagSeguro Workshop São Paulo, Brazil September 2018
<i>Essential Microservice Design</i> UOL PagSeguro Workshop São Paulo, Brazil March 2019	<i>Being Agile at Quality: Values, Practices, and Patterns</i> XP Matsuri Keynote Tokyo, Japan September 2018
<i>Fundamental Ideals and Domain-Driven Design for Modeling Microservices</i> Invillia/PagSeguro Workshop Araraquara, Brazil February 2019	<i>Being Agile at Quality: Values, Practices, and Patterns</i> XP Matsuri Workshop Tokyo, Japan September 2018
<i>Essential Microservice Design</i> Invillia/PagSeguro Workshop Araraquara, Brazil February 2019	<i>Agile Architecture</i> CBSoft Industry Track Tutorial São Carlos, Brazil September 2018
<i>Clean Code, Refactoring, TDD, and Patterns</i> UOL PagSeguro Workshop São Paulo, Brazil February 2019	<i>Delivering Value with Confidence</i> Faculdade de Engenharia da Universidade do Porto Invited Talk, Porto, Portugal May 2018
<i>Being Agile at Quality: Values, Practices, and Patterns</i> OOP Software Architecture Tutorial München, Germany January 2019	<i>Delivering Fast with Confidence</i> Agile Portugal Invited Talk Porto, Portugal May 2018
<i>QA to AQ; Shifting from Quality Assurance to Agile Quality</i> OOP Software Architecture Talk München, Germany January 2019	<i>Microservices for Agility</i> PagSeguro DevTalk Talk São Paulo, Brazil March 2018
<i>Being Agile about Architecture</i> OOP Software Architecture Talk München, Germany January 2019	<i>Pattern Mining</i> AsianPLoP Workshop Tokyo, Japan March 2018
<i>Pre-PLoP Bootcamp</i> SugarLoafPLoP Workshop Valparaiso, Chile November 2018	<i>Being Agile about Architecture</i> SATURN Workshop Plano, TX May 2018
<i>Scrum Patterns</i> SugarLoafPLoP Workshop Santiago, Chile November 2018	<i>Delivering Fast with Confidence</i> OOP Software Architecture Talk München, Germany February 2018
<i>Being Agile at Architecture</i> SugarLoafPLoP Talk Valparaiso, Chile November 2018	<i>My Dad Should've Told Me—On the True Success Factors of Software Development</i> OOP Software Architecture Fishbowl München, Germany February 2018
<i>Pre-PLoP Bootcamp</i> PLoP Workshop Portland, OR October 2018	<i>Pattern Writing Workshop</i> Dirk Riehle's University Workshop Nürnberg, Germany February 2018

<i>Delivering Fast with Confidence</i> Friedrich-Alexander University Nürnberg, Germany February 2018	<i>Pre-PLoP Bootcamp</i> Viking PLoP Workshop Schleswig-Holstein, Germany March/April 2017
<i>Delivering Fast with Confidence</i> PagSeguro DevTalk Talk São Paulo, Brazil January 2018	<i>Deliver Fast with Confidence</i> Hasso Plattner Institute Talk Potsdam, Germany March 2017
<i>Delivering Fast with Confidence</i> UOL PagSeguro DevTalk Talk São Paulo, Brazil January 2018	<i>Patterns Quality and Beauty</i> AsianPLoP Talk Tokyo, Japan March 2017
<i>Delivering Fast with Confidence</i> UOL PagSeguro DevTalk Talk São Paulo, Brazil January 2018	<i>Pattern Mining</i> AsianPLoP Workshop Tokyo, Japan March 2017
<i>Microservices and Continuous Inspection</i> PagSeguro Workshop São Paulo, Brazil November 2017	<i>Introduction to Scrum Patterns</i> Agile Tour Osaka Talk Osaka, Japan December 2016
<i>Pattern Mining</i> PLoP Workshop Vancouver, Canada October 2017	<i>Pattern Writing</i> Agile Tour Osaka Workshop Osaka, Japan December 2016
<i>Pre-PLoP Bootcamp</i> PLoP Workshop Vancouver, Canada October 2017	<i>Being Agile at Quality Workshop</i> Attractor Inc. Workshop Tokyo, Japan November 2016
<i>Writers' Workshop for Improvement</i> Keio-SFC University Talk Kanagawa, Japan October 2017	<i>Fifty Years from Now: The Death of Developers by Suicide</i> Agile Brazil Talk Curitiba, Brazil November 2016
<i>Patterns, Patterns Language, and Writers' Workshop for Improvement</i> Toshiba Invited Talk Tokyo, Japan October 2017	<i>Pre-PLoP Bootcamp</i> SugarloafPLoP Workshop Buenos Aires, Argentina November 2016
<i>Patterns Languages and Pattern Community</i> Keio-SFC University Talk Kanagawa, Japan October 2017	<i>Being Agile About Qualities: Values, Practices, and Patterns</i> SugarloafPLoP Tutorial Buenos Aires, Argentina November 2016
<i>Fundamental Process of Living Things</i> Keio-SFC University Talk Kanagawa, Japan September 2017	<i>Taming Big Balls of Mud with Agile Diligence and Hard Work</i> SugarLoafPLoP Keynote Buenos Aires, Argentina November 2016
<i>Writers' Workshop at PLoPs</i> Creative Shift Seminar Talk Tokyo, Japan September 2017	<i>Refactoring and Clean Code</i> FAST Smalltalk Conference Talk Tucumán, Argentina November 2016
<i>Software Engineering for Large Scaled Systems</i> School of Advanced Science on Smart Cities São Paulo, Brazil August 2017	<i>Deliver Fast with Confidence</i> FAST Smalltalk Conference Keynote Tucumán, Argentina November 2016
<i>Delivering Fast with Confidence</i> DevCamp Keynote Campinas, Brazil June 2017	<i>Patterns and Patterns Writing</i> Universidad Albierta Interamericana Seminar Buenos Aires, Argentina Nov 2016
<i>Delivering Fast with Confidence</i> Saturn Invited Talk Denver, CO May 2017	<i>Deliver Fast with Confidence</i> Mercap Software talk Buenos Aires, Argentina Nov 2016
<i>Delivering Fast with Confidence</i> Daimler AG Talk Stuttgart, Germany April 2017	<i>Coding with the Stars</i> Agile Brazil Workshop Curitiba, Brazil November 2016
<i>Pattern Mining</i> MiniPLoP Workshop Brussels, Belgium April 2017	



<p><i>Being Agile at Quality: Values, Practices, Patterns</i> Universidad National Workshop La Plata, Argentina November 2016</p>	<p><i>Being Agile at Quality</i> IME-USP Talk São Paulo, Brazil May 2016</p>
<p><i>Being Agile at Quality</i> Lean Coffee Talk La Plata, Argentina November 2016</p>	<p><i>Being Agile at Quality</i> AsianPLOP Conference Talk Taipei, Taiwan February 2016</p>
<p><i>Deliver Fast with Confidence</i> JDD Invited Talk Krakow, Poland October 2016</p>	<p><i>Agile Quality Pattern</i> Waseda University Workshop Tokyo, Japan February 2016 <i>Agile Quality Pattern Mining</i> AsianPLOP Conference Workshop Taipei, Taiwan February 2016</p>
<p><i>Patterns and Pattern Language</i> Creative Shift Seminar Tokyo, Japan October 2016</p>	<p><i>Sustainably Supporting Data Variability: Keeping Core Components Clean While Dealing with Data Variability</i> YOW! Talk Melbourne, Brisbane, Sydney, Australia December 2015</p>
<p><i>Being Agile at Quality</i> Rakuten Invited Talk Tokyo, Japan October 2016</p>	<p><i>QA to AQ: Becoming Agile at Quality</i> YOW! Workshop Melbourne &amp; Sydney, Australia December 2015</p>
<p><i>Handover Patterns</i> Waseda University workshop Tokyo, Japan September 2016</p>	<p><i>QA to AQ: Becoming Agile at Quality</i> Agile Brazil Talk Porto de Galinhas, Brazil October 2015</p>
<p><i>Principles for Making Your Architecture More Sustainable</i> PagSeguro Workshop São Paulo, Brazil September 2016</p>	<p><i>Sustainably Supporting Data Variability: Keeping Core Components Clean While Dealing with Data Variability</i> JDD Invited Talk and Workshop Krakow, Poland October 2015</p>
<p><i>Being Agile at Quality: Values, Practices, Patterns</i> Waseda University InvitedTalk Tokyo, Japan September 2016</p>	<p><i>Learning and Using Continuous Improvement for Innovation</i> University of Wisconsin Information Technology Peer Group Meeting Talk Madison, WI September 2015</p>
<p><i>Design Patterns</i> Keio-SFC Course Tokyo, Japan September 2016</p>	<p><i>Agile Portugal</i> ScrumPLOP Conference Porto, Portugal May–July 2015</p>
<p><i>TDD &amp; Refactoring</i> Rakuten Tutorial Tokyo, Japan September 2016</p>	<p><i>Mob Programming</i> Agile User Group Talk San Diego, CA May 2015</p>
<p><i>Being Agile at Quality</i> Agile Conference Talk Atlanta, GA July 2016 <i>Being Agile at Quality</i> GOTO Conference Workshop Chicago, IL May 2016</p>	<p><i>Taming Big Balls of Mud with Diligence, Agile Practices and Hard Work</i> Saturn Talk Baltimore, MD April 2015</p>
<p><i>Refactoring and TDD</i> Dev-Camp Conference Tutorial Campinas, Brazil May 2016</p>	<p><i>Sustainably Supporting Data Variability</i> Saturn Talk Baltimore, MD April 2015</p>
<p><i>Sustainable Architect; Dealing with Legacy Mud Through Agile, Diligence, and Refactoring</i> Dextra Training Workshop Campinas, Brazil May 2016</p>	<p><i>QA to AQ: Shifting from Quality Assurance to Agile Quality</i> Saturn Talk Baltimore, MD April 2015</p>
<p><i>QA to AQ; Shifting from Quality Assurance to Agile Quality</i> Dev-Camp Conference Tutorial Campinas, Brazil May 2016</p>	<p><i>Processes for Making Lively Things</i> AsianPLOP Conference Focus Group Tokyo, Japan March 2015</p>
<p><i>Taming Big Balls of Mud with Agile, Diligence, and Hard Work</i> Dev-Camp Conference Talk Campinas, Brazil May 2016</p>	

*Shepherding Workshop*  
AsianPLoP Conference Workshop  
Tokyo, Japan March 2015

*Ultimate Agility Let Your Users do the Work!*  
Rakuten TechTalk  
Tokyo, Japan March 2015

*Ultimate Agility:  
Letting Your Users Do the Work!*  
First Israel Conference on Software Architecture Tutorial  
Herzliya, Israel December 2014

*Taming Big Balls of Mud and Sustaining Architecture*  
First Israel Conference on Software Architecture Keynote  
Herzliya, Israel December 2014

*Sustainable Architecture and Pragmatic TDD*  
Agile Brazil, Objective TechTalk  
Maringá, Brazil November 2014a

*Ultimate in Agility:  
Letting Your Users Do the Work*  
Vagas Tech Talk  
São Paulo, Brazil November 2014

*QA to AQ: Shifting from  
Quality Assurance to Agile Quality*  
SugarLoafPloP TechTalk  
Ilha Bela, Brazil November 2014

*Refactoring and Clean Code*  
UOL Tech Talk  
São Paulo, Brazil November 2014

*Pragmatic, Not Dogmatic TDD:  
Rethinking How We Test*  
Agile Brazil Invited Talk  
São Paulo, Brazil November 2014

*Taming Big Balls of Mud with  
Diligence, Agile Practices and Hard Work*  
Agile Brazil Opening Keynote  
Florianópolis, Brazil November 2014

*Sustainable Architecture*  
H&M TechTalk  
Stockholm, Sweden October 2014

*Refactoring and Clean Code*  
JDD Workshop  
Krakow, Poland October 2014

*QA to AQ: Shifting from  
Quality Assurance to Agile Quality*  
JDD Invited Talk  
Krakow, Poland October 2014

*PLoP Bootcamp Workshop*  
PloP Conference Bootcamp  
Monticello, IL September 2014

*So You Think That Your Application Cannot Be Tested?*  
*Evolving Legacy Code*  
Bank of America Internal Conference  
New York, NY September 2014

*Sustaining Architecture*  
Bank of America Internal Conference Keynote  
New York, NY September 2014

*Pragmatic Test Driven Development*  
Pragmatic Tutorial  
Tokyo, Japan September 2014

*Taming Big Balls of Mud*  
XP Matsuri Talk  
Tokyo, Japan September 2014

*Test Driven Development and Refactoring*  
Rakuten Tutorial  
Tokyo, Japan September 2014

*Taming Big Balls of Mud  
with Diligence, Agile Practices and Hard Work*  
CAP/INPE TechTalk  
São Paulo, Brazil August 2014

*Test Driven Development and Refactoring*  
Teams that Innovate Tutorial  
São Paulo, Brazil August 2014

*QA to AQ: Shifting from  
Quality Assurance to Agile Quality*  
Invited Talk at ThoughtWorks  
Chicago, IL August 2014

*Refactoring and TDD*  
CISCO Tutorial  
Boxborough, MA July 2014

*Steering Committee and Panel  
on Future of Agile in Portugal*  
Agile Portugal, Leiria Portugal June 2014

*Adaptive Object-Model Architecture: How to Build Systems  
That Can Dynamically Adapt to Changing Requirements*  
Agile Portugal, Leiria Portugal June 2014

*QA to AQ: Shifting from  
Quality Assurance and Agile Quality*  
Rakuten TechTalk  
Tokyo, Japan March 2014

*Discovering Christopher Alexander's  
Properties in Your Life*  
AsianPloP Talk/Workshop  
Tokyo, Japan March 2014

*Director of Local Operations  
Program Committee 20<sup>th</sup> PLoP*  
Allerton Park Monticello, IL October 2013

*Taming Big Balls of Mud with  
Diligence, Agile Practices and Hard Work*  
JDD Invited Talk  
Kraków, Poland October 2013

*Taming Big Balls of Mud with  
Diligence, Agile Practices and Hard Work*  
Keynote at Brazilian Symposium  
on Software Components, Architectures  
and Reuse (SBCARS)—CBSOft  
Brasilia, Brazil September/October 2013

*Test Driven Development Step Patterns*  
CBSOft Tutorial —CBSOft  
Brasilia, Brazil September/October 2013

*Pragmatic Test Driven Development*  
CBSOft Workshop Talk—CBSOft  
Brasilia, Brazil September/October 2013

*Taming Big Balls of Mud  
with Diligence, Agile Practices and Hard Work*  
SugarLoaf MiniPloP  
University of Brasília—Gama, Brazil September 2013

*Adaptive Object-Model Architecture:  
How to Build Systems That Can Dynamically Adapt  
to Changing Requirements*  
National Institute for Space Research (INPE)  
São José dos Campos, Brazil September 2013

*Refactoring and Test Driven Development*  
CERN Course Tutorial  
Geneva, Switzerland September 2013

*Taming Big Balls of Mud with  
Diligence, Agile Practices and Hard Work*  
Agile Invited Talk  
Nashville, Tn August 2013

*Agile Quality Scenarios:  
How to be Nimble and Precise*  
Agile Scrum Portugal Tutorial  
Porto, Portugal June 2013

*Architecture Track Host*  
GOTO Chicago  
Chicago, IL April 2013

*Advanced Object Oriented Analysis  
and Design with Patterns Course*  
Intel internal Course  
Gdansk, Poland December 2012

*Refactoring and Test Driven Development*  
Intel internal Course  
Haifa, Israel November 2012

*Project Retrospectives (Why, How, When)*  
JDD 2012 Tutorial  
Kraków, Poland October 2012

*Pragmatic, Not Dogmatic TDD:  
Rethinking How We Test*  
JDD 2012 Invited Talk  
Kraków, Poland October 2012

*When Should You Consider Meta-Architectures?  
Using Meta to Scale the Cloud*  
JDD Invited Talk  
Kraków, Poland October 2012

*Pre-PLoP Bootcamp*  
PLoP Workshop  
Tucson, AZ October 2012

*Project Retrospectives (Why, How, and When)*  
CBSoft Tutorial  
Natal, Brazil September 2012

*Pragmatic, Not Dogmatic TDD:  
Rethinking How We Test*  
CBSoft Keynote Address  
Natal, Brazil September 2012

*SugarLoafPLoP Bootcamp*  
SugarLoafPLoP Workshop  
Natal, Brazil September 2012

*An Evolutionary Vision of Framework Development*  
SugarLoafPLoP Talk  
Natal, Brazil September 2012

*Test Driven Development and Refactoring*  
Intel Course Tutorial  
Penang, Malaysia August–September 2012

*Testing System Qualities*  
Agile Workshop  
Dallas, TX August 2012

*Pragmatic, Not Dogmatic TDD:  
Rethinking How We Test*  
Agile Talk  
Dallas, TX August 2012

*Patterns Bootcamp*  
ISSAP / LACCEI Tutorial  
Panama City, Panama July 2012

*When Should You Consider Meta-Architectures?  
Using Meta to Scale the Cloud*  
ISSAP / LACCEI Keynote Address  
Panama City, Panama July 2012

*Pragmatic, Not Dogmatic TDD:  
Rethinking How We Test*  
Agile Portugal Keynote  
Porto, Portugal June 2012

*Co-Organizer ChiliPLoP*  
ChiliPLoP Workshop  
Las Vegas, NM April 2012

*Pragmatic Test Driven Development*  
Course with Rebecca Wirfs-Brock  
Learning for Leverage Public Training  
Portland, OR January 2012

*Big Ball of Mud:  
Is This the Best That Agile Can Do?*  
JDD Keynote Address  
Krakow, Poland November 2011

*Rulemakers and Toolmakers:  
Adaptive Object-Models  
as an Agile Division of Labor*  
JDD Tutorial  
Krakow, Poland November 2011

*Pre-PLoP Bootcamp*  
PLoP Tutorial  
Portland, OR October 2011  
*An Introduction to Patterns:  
Training, Mentoring, and Experiencing*  
AsianPLoP Tutorial  
Tokyo, Japan October 2011

*“Total Code Makeover”*  
MiniPLoP Tutorial  
São Paulo, Brazil September 2011

*MiniPLoP Bootcamp*  
MiniPLoP Tutorial  
São Paulo, Brazil September 2011

*Software: Theory and Practice*  
CBSoft Panelist  
São Paulo, Brazil September 2011

<p><i>"When Should You Consider Meta-Architectures? Using Meta to Scale the Cloud."</i> CBSoft Talk São Paulo, Brazil September 2011</p>	<p><i>Trends and Challenges in Software Architecture</i> CBSoft Talk and Panel Salvador, Bahia, Brazil October 2010</p>
<p><i>Rulemakers and Toolmakers: Adaptive Object-Models as an Agile Division of Labor Ultimate Agility—Let your Users Do Your Work!</i> CBSoft Tutorial São Paulo, Brazil September 2011</p>	<p><i>Big Ball of Mud: Is This the Best Agile Can Do?</i> SBES Keynote Address Salvador, Bahia, Brazil September 2010</p>
<p><i>"Using Meta to Scale the Cloud"</i> KSAS Conference Talk Seoul, Korea July 2011</p>	<p><i>Ultimate Agility: Let Your Users Do Your Work!</i> CBSoft Keynote Address Salvador, Bahia, Brazil September 2010</p>
<p><i>"When Should You Consider Meta Architectures? Using Meta to Scale the Cloud"</i> SASC Keynote Address Seoul, Korea July 2011</p>	<p><i>Big Ball of Mud: Is This the Best Agile Can Do?</i> Agile Portugal Keynote Address Porto, Portugal June 2010</p>
<p><i>"Test Driven Development, Refactoring, Patterns and Adaptive Object-Models"</i> Seoul Agile Users Group Talk Seoul, Korea July 2011</p>	<p><i>Big Ball of Mud: Adaptive Object-Model</i> OTUG and Local Company Invited Talk Minneapolis, MN May 2010</p>
<p><i>Test Driven Development</i> EasyCare Tech Industry Training Seoul, Korea July 2011</p>	<p><i>Pattern Writing</i> AsianPloP Tutorial Tokyo, Japan March 2010</p>
<p><i>Rulemakers and Toolmakers: Adaptive Object-Models as Agile Division of Labor</i> Agile Portugal Tutorial Porto, Portugal June 2011</p>	<p><i>Architecture for the Architect</i> QCon Chairman of the Architect Track San Francisco, CA October 2009</p>
<p><i>Big Ball of Mud: Is This the Best That Agile Can Do?</i> SATURN Plenary Talk Burlingame, CA May 2011</p>	<p><i>The Adaptive Object-Model Architecture: Giving Users Control Over Their Business</i> OOPSLA Tutorial and Panel Orlando, FL October 2009</p>
<p><i>Better Science Through Art</i> IME-USP Workshop Instituto de Matemática e Estatística Rua do Matão São Paulo, Brazil March 2011</p>	<p><i>Big Balls of Mud in Agile Development: How to Avoid Them</i> Encontro Ágil Keynote São Paulo, Brazil October 2009</p>
<p><i>When Should You Consider Meta-Architectures? Using Meta to Scale</i> IME-USP Talk São Paulo Brazil March 2011</p>	<p><i>Agile Refactoring for Making More Adaptable Systems</i> Encontro Ágil Tutorial São Paulo, Brazil October 2009</p>
<p><i>Patterns to the Nature of Order</i> AOSD Conference Workshop Fortaleza, Brazil March 2011</p>	<p><i>Software Patterns and Quality: Can Patterns Help Quality?</i> QCon Session Chair San Francisco, CA November 2008</p>
<p><i>Refactoring: Principals to Practice</i> AOSD Conference Tutorial Fortaleza, Brazil March 2011</p>	<p><i>The AOM Architecture: Giving Users Control Over Their Business</i> Dr. Dobbs Architecture &amp; Design World Talk Chicago, IL July 2008</p>
<p><i>Rulemakers and Toolmakers: Adaptive Object-Models as an Agile Division of Labor</i> AOSD Conference Tutorial Fortaleza, Brazil March 2011</p>	<p><i>Web 2.0 Pattern Mining</i> TOOLS Workshop Zurich, Switzerland July 2008</p>
<p><i>Big Ball of Mud: Is This the Best Agile Can Do?</i> QCon San Francisco Presentation San Francisco, CA November 2010</p>	<p><i>Java Design Patterns</i> Utah Education Network Course Salt Lake City, UT April 2008</p>
<p><i>Rulemakers and Toolmakers: Adaptive Object-Models as an Agile Division of Labor</i> Tutorial SPLASH Conference Reno, NV October 2010</p>	<p><i>Design Patterns</i> Refactory Course Cisco, New York March 2008</p>
	<p><i>Refactoring Principles One Day</i> Med Impact Course San Diego, CA March 2008</p>

*Adaptive Object-Model Architecture Style  
Giving Users Control Over Their Business Models*  
National Institute of Informatics Talk  
Tokyo, Japan December 2007

*Refactoring Principles*  
National Institute of Informatics Talk  
Tokyo, Japan December 2007

*Software Patterns and Quality*  
SPAQu Keynote  
Nagoya, Japan December 2007

*The Adaptive Object-Model Architecture:  
Giving Users Control Over Their Business Model*  
JAOO Conference Presentation  
Aarhus, Denmark September 2007

*Writers' Workshop in Software Development*  
OOPSLA Writers Workshop  
with Linda Rising and Bob Hanmer  
Montréal, Canada October 2007

*Design Patterns Course*  
Donovan Data Systems Tutorial  
New York, NY July 2007

*Agile Principles: The XP Process*  
University of Pernambuco Course  
Recife, Brazil June 2007

*Refactoring Principles Course*  
University of Pernambuco Course  
Recife, Brazil May 2007

*Pattern Writing: The Straight Scoop*  
SugarLoafPLoP Tutorial  
Porto de Galinhas, Brazil May 2007

*Design Patterns*  
GOF and More Courses  
Faculdade de Engenharia da Universidade do Porto  
Porto, Portugal April 2007

*Adaptive Object-Model*  
ENEI Keynote  
Guarda, Portugal April 2007

*Agile Fishbowl*  
ENEI Talk  
Guarda, Portugal April 2007

*Object-Oriented Programming and Design*  
Course Presentation Media Ocean,  
New York, NY December 2006

*Design Patterns: The C# Java Edition*  
Caterpillar Inc. Course Presentation  
Peoria, IL June 2006

*AOM Architecture*  
OOPSLA Tutorial  
San Diego, CA October 2005

*User Interface Design Principles:  
Patterns for Human Computer Interaction*  
SugarLoafPLoP Tutorial  
Campos do Jordão, Brazil August 2005

*AOM Architecture:  
Adaptive Object-Model Architecture*

*How to Build Systems That Can Dynamically Adapt  
to Changing Requirements*  
ECOOP Tutorial  
Glasgow, Scotland July 2005

*A Framework for Financial Modeling*  
IME-USP Lecture  
São Paulo, Brazil August 2004  
*Patterns for Making Business Objects Persistent  
in a Relational Database*  
São Paulo, Brazil August 2004

*Architectural Patterns for  
Enabling Application Security*  
Oslo, Norway June 2004

*Design Patterns: Java C# Edition*  
São Paulo, Brazil August 2004

*Architecture and Design of  
Adaptive Object-Models*  
University of Fortaleza Talk  
Fortaleza, Brazil August 2004

*Refactoring Principles*  
University of Fortaleza Talk  
Fortaleza, Brazil August 2004

*Design Patterns: The C# Java Edition*  
Caterpillar, Inc. Workshop  
Peoria, IL May 2004

*Design Patterns: The C# Java Edition*  
CSE Course Presentation  
Ottawa, Canada October 2003

*Object-Oriented Success Stories:  
Learning from Our Failures*  
Joseph W. Yoder, Ralph Johnson,  
Steven R. Wingo, Ron Jeffries, & Linda Rising  
Fishbowl Panel at OOPSLA  
Anaheim, CA October 2003

*Design Patterns:  
The C# Java Edition*  
Caterpillar Inc. Workshop  
Peoria, IL September 2003

*Design Patterns:  
The C# Java Edition*  
Southern Company Workshop  
Birmingham, AL September 2003

*Design Patterns:  
The C++ Java Realtime Edition*  
Navy Air Warfare Center  
California August 2003

*Design Patterns: The C# Java Edition*  
IME-USP Seminar  
São Paulo, Brazil August 2003

*Refactoring Your Code*  
IME-USP Talk  
São Paulo, Brazil August 2003

*eXtreme Programming*  
University of Pernambuco Course  
Recife, Brazil August 2003

*Refactoring to Better Design*  
University of Pernambuco Course  
Recife, Brazil August 2003

*Design Patterns:*  
*The C# Java Edition*  
Comac/Iron Mountain Workshop  
San Jose, CA August 2003

*Design Patterns:*  
*The C++ Java Realtime Edition*  
Motorola Workshop  
Champaign, IL July 2003

*Adaptive Object-Models*  
ECOOP Tutorial  
Darmstadt, Germany July 2003

*Object-Oriented Success Stories*  
Joseph W. Yoder & Ralph Johnson  
Fishbowl Panel at OOPSLA  
Seattle, WA November 2002

*Design Patterns in Java*  
COPPE Workshop  
Rio de Janeiro, Brazil August 2002

*Design Patterns in Java*  
ICMC-USP Workshop  
São Paulo, Brazil August 2002

*Design Patterns in Java*  
Caterpillar, Inc. Workshop  
Peoria, IL March 2002

*Architecture and Design*  
*of Adaptive-Object Models*  
OOPSLA Presentation  
Tampa Bay, FL October 2001

*Adaptive Object-Models*  
*and Metamodeling Techniques*  
ECOOP 2001 Workshop  
Budapest, Hungary June 2001

*Design Patterns in Java*  
Caterpillar, Inc. Workshop  
Peoria, IL April 2001

*Smalltalk and Object Design Training*  
Lincoln Land Community College  
Springfield, IL October 2000

*Design Patterns in Java*  
Caterpillar, Inc. Workshop  
Peoria, IL July 2000

*AOM and Design Patterns*  
Invited Talk at LIP6  
Labatoire d'Informatique de Paris 6  
Paris, France June 2000

*Metadata and AOM*  
ECOOP 2000 Workshop  
Cannes, France June 2000

*Smalltalk and Object Design Training*  
Illinois Department of Public Health  
Springfield, IL December 1998

*Metadata and Active Object-Models*  
OOPSLA Workshop  
Vancouver, Canada October 1998

*Design Patterns in Java*  
Caterpillar, Inc Workshop  
Peoria, IL August 1998

*Smalltalk and Object Design*  
Caterpillar/NCSA Training  
Urbana, IL July 1996

*Teaching in Various Courses*  
*Received Excellence in Teaching Awards:*  
*Discrete Mathematical Structures,*  
*Data Structures, Concrete Mathematics,*  
*Introduction to Programming,*  
*Topics in Compiler Construction,*  
*Discrete Mathematical Structures,*  
*Introduction to Theory of Computation,*  
University of Illinois., Urbana, IL  
Spring, 1990–Fall, 1994