2012 Proceeding

http://dl.acm.org/citation.cfm?id=2821679

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|  | [Cloud service model patterns](http://dl.acm.org/citation.cfm?id=2831280&CFID=542847182&CFTOKEN=53055178) |
|  | [Keiko Hashizume](http://dl.acm.org/author_page.cfm?id=81481644481&CFID=542847182&CFTOKEN=53055178), [Eduardo B. Fernandez](http://dl.acm.org/author_page.cfm?id=82259097257&CFID=542847182&CFTOKEN=53055178), [Maria M. Larrondo-Petrie](http://dl.acm.org/author_page.cfm?id=81460648757&CFID=542847182&CFTOKEN=53055178), [Eduardo B. Fernandez](http://dl.acm.org/author_page.cfm?id=81496680710&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 10 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2831280&ftid=1627868&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2831280&ftid=1627868&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | In this paper, we develop two patterns for two of the cloud service models: Infrastructure-as-a-Service and Platform-as-a-Service. We assume that our audience will include cloud system designers as well as cloud application builders.  [expand](javascript:%20expandcollapse('expcoll10',10)) |

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|  | [Data synchronization patterns in mobile application design](http://dl.acm.org/citation.cfm?id=2831282&CFID=542847182&CFTOKEN=53055178) |
|  | [Zach Mccormick](http://dl.acm.org/author_page.cfm?id=83358733657&CFID=542847182&CFTOKEN=53055178), [Douglas C. Schmidt](http://dl.acm.org/author_page.cfm?id=99658663425&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 12 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2831282&ftid=1627858&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2831282&ftid=1627858&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | As Internet-enabled devices become more prevalent in the form of smartphones and tablets, the need for mobile application development patterns grows in importance. Different technologies, such as Nokia's Symbian, Apple's iOS, Google's Android, and Microsoft's ...  [expand](javascript:%20expandcollapse('expcoll12',12)) |

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| [Documenting patterns with business process models](http://dl.acm.org/citation.cfm?id=2831285&CFID=542847182&CFTOKEN=53055178) | | |
|  | [Pedro Monteiro](http://dl.acm.org/author_page.cfm?id=81484644167&CFID=542847182&CFTOKEN=53055178), [Miguel Pessoa Monteiro](http://dl.acm.org/author_page.cfm?id=81100048320&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 15 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2831285&ftid=1627859&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2831285&ftid=1627859&dwn=1&CFID=542847182&CFTOKEN=53055178" \o "FullText PDF" \t "_blank) |
|  | The last years have seen a rise in the number of tools and methods developed to help developers and domain users communicate. One such method is Business Process Modeling. The Business Process Modeling Notation provides a graphical visualization and ...  [expand](javascript:%20expandcollapse('expcoll15',15)) |

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|  | [Organizing and building software: patterns for effective management of large and complex code bases](http://dl.acm.org/citation.cfm?id=2831286&CFID=542847182&CFTOKEN=53055178) |
|  | [Ralph Thiim](http://dl.acm.org/author_page.cfm?id=99658751103&CFID=542847182&CFTOKEN=53055178), [Lise Hvatum](http://dl.acm.org/author_page.cfm?id=81339506518&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 16 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2831286&ftid=1627872&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2831286&ftid=1627872&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | Organizations which feature a distributed workforce developing software products with large and complex code bases require efficient management of the software artifacts and the developer environments to ensure the quality of the software products over ...  [expand](javascript:%20expandcollapse('expcoll16',16)) |

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|  | [Patterns for distributed machine control system data sharing](http://dl.acm.org/citation.cfm?id=2831287&CFID=542847182&CFTOKEN=53055178) |
|  | [Marko Leppänen](http://dl.acm.org/author_page.cfm?id=88158938357&CFID=542847182&CFTOKEN=53055178), [Veli-Pekka Eloranta](http://dl.acm.org/author_page.cfm?id=81474704574&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 17 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2831287&ftid=1627869&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2831287&ftid=1627869&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | In this paper we will present three patterns for sharing sensory data and other information in distributed machine control systems. A distributed machine control system is a software entity that is specifically designed to control a certain hardware ...  [expand](javascript:%20expandcollapse('expcoll17',17)) |

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|  | [Pattern mining patterns](http://dl.acm.org/citation.cfm?id=2831293&CFID=542847182&CFTOKEN=53055178) |
|  | [Robert S. Hanmer](http://dl.acm.org/author_page.cfm?id=81410595896&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 23 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2831293&ftid=1627874&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2831293&ftid=1627874&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | Before a software designer can use a pattern the pattern must be mined. One of the most common ways is for the pattern author to interview an expert and document the reusable kernels that perhaps aren't common knowledge. Another way is to assemble a ...  [expand](javascript:%20expandcollapse('expcoll23',23)) |

2013 Proceeding

http://dl.acm.org/citation.cfm?id=2725669

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|  | [Software architecture patterns for system administration support](http://dl.acm.org/citation.cfm?id=2725671&CFID=542847182&CFTOKEN=53055178) |  |
|  | [Roland Bijvank](http://dl.acm.org/author_page.cfm?id=99658685368&CFID=542847182&CFTOKEN=53055178), [Wiebe Wiersema](http://dl.acm.org/author_page.cfm?id=99658685530&CFID=542847182&CFTOKEN=53055178), [Christian Köppe](http://dl.acm.org/author_page.cfm?id=81549259356&CFID=542847182&CFTOKEN=53055178) |  |
|  | Article No.: 1 |  |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2725671&ftid=1532203&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2725671&ftid=1532203&dwn=1&CFID=542847182&CFTOKEN=53055178) |  |
|  | Many quality aspects of software systems are addressed in the existing literature on software architecture patterns. But the aspect of system administration seems to be a bit overlooked, even though it is an important aspect too. In this work we present ...  [expand](javascript:%20expandcollapse('expcoll2',2)) |  |

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|  | [A pattern for context-aware navigation](http://dl.acm.org/citation.cfm?id=2725673&CFID=542847182&CFTOKEN=53055178) |
|  | [Mihaela Cardei](http://dl.acm.org/author_page.cfm?id=81100342680&CFID=542847182&CFTOKEN=53055178), [Brandon Jones](http://dl.acm.org/author_page.cfm?id=99658685102&CFID=542847182&CFTOKEN=53055178), [Daniel Raviv](http://dl.acm.org/author_page.cfm?id=82259205757&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 3 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2725673&ftid=1532205&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2725673&ftid=1532205&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | Navigation systems nowadays have become ubiquitous, with many users relaying on them to find on-the-fly directions to new locations. With current advances in technology, modern navigation systems augment navigation directions with new information ranging ...  [expand](javascript:%20expandcollapse('expcoll4',4)) |

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|  | [A pattern language for inter-team knowledge sharing in agile software development](http://dl.acm.org/citation.cfm?id=2725693&CFID=542847182&CFTOKEN=53055178) |
|  | [Viviane Santos](http://dl.acm.org/author_page.cfm?id=81490643494&CFID=542847182&CFTOKEN=53055178), [Alfredo Goldman](http://dl.acm.org/author_page.cfm?id=81452611263&CFID=542847182&CFTOKEN=53055178), [Eduardo Guerra](http://dl.acm.org/author_page.cfm?id=81375608875&CFID=542847182&CFTOKEN=53055178), [Cleidson De Souza](http://dl.acm.org/author_page.cfm?id=81100489279&CFID=542847182&CFTOKEN=53055178), [Helen Sharp](http://dl.acm.org/author_page.cfm?id=81100267870&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 20 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2725693&ftid=1532222&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2725693&ftid=1532222&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | Inter-team knowledge sharing is an important aspect of agile software development because it allows agility to be scaled to an entire organization. However, achieving inter-team knowledge sharing is not easy because the practices that allow it to happen ...  [expand](javascript:%20expandcollapse('expcoll24',24)) |

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|  | [Patterns of building LEGO® MINDSTORMS® robots](http://dl.acm.org/citation.cfm?id=2725700&CFID=542847182&CFTOKEN=53055178) |
|  | [Kyle Brown](http://dl.acm.org/author_page.cfm?id=99658684694&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 26 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2725700&ftid=1532228&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2725700&ftid=1532228&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | This paper discusses patterns found in the design and programming of robots built using LEGO® MINDSTORMS®, particularly those suitable for FIRST LEGO League (FLL) competitions. The paper is drawn from observations over five years of watching ...  [expand](javascript:%20expandcollapse('expcoll31',31)) |

2014 Proceeding

http://dl.acm.org/citation.cfm?id=2821679

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|  | [Preparing for a test driven development session](http://dl.acm.org/citation.cfm?id=2893570&CFID=542847182&CFTOKEN=53055178) | |
|  | [Eduardo Guerra](http://dl.acm.org/author_page.cfm?id=81375608875&CFID=542847182&CFTOKEN=53055178), [Maurício Finavaro Aniche](http://dl.acm.org/author_page.cfm?id=81461660583&CFID=542847182&CFTOKEN=53055178), [Marco Aurélio Gerosa](http://dl.acm.org/author_page.cfm?id=81100523035&CFID=542847182&CFTOKEN=53055178), [Joseph Yoder](http://dl.acm.org/author_page.cfm?id=81100257036&CFID=542847182&CFTOKEN=53055178) | |
|  | Article No.: 11 | |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2893570&ftid=1688950&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2893570&ftid=1688950&dwn=1&CFID=542847182&CFTOKEN=53055178) | |
|  | Test-driven development (TDD) is a development technique used to design classes in a software system by first creating tests before implementing the actual code. However, even before you start creating tests, there are some preparation tasks that the ...  [expand](javascript:%20expandcollapse('expcoll11',11)) | |
|  | [Patterns for testing distributed systems interaction](http://dl.acm.org/citation.cfm?id=2893571&CFID=542847182&CFTOKEN=53055178) | |
|  | [Eduardo Guerra](http://dl.acm.org/author_page.cfm?id=81375608875&CFID=542847182&CFTOKEN=53055178), [Paulo Bittencourt Moura](http://dl.acm.org/author_page.cfm?id=99658740679&CFID=542847182&CFTOKEN=53055178), [Felipe Meneses Besson](http://dl.acm.org/author_page.cfm?id=81485644919&CFID=542847182&CFTOKEN=53055178), [Ayla Rebouças](http://dl.acm.org/author_page.cfm?id=99658984922&CFID=542847182&CFTOKEN=53055178), [Fabio Kon](http://dl.acm.org/author_page.cfm?id=81100205622&CFID=542847182&CFTOKEN=53055178) | |
|  | Article No.: 12 | |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2893571&ftid=1688952&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2893571&ftid=1688952&dwn=1&CFID=542847182&CFTOKEN=53055178) | |
|  | Testing distributed systems is a hard task, since the test needs to handle software pieces distributed across multiple network nodes. There are several techniques that can be used in this kind of test to capture the communication among components, to ...  [expand](javascript:%20expandcollapse('expcoll12',12)) | |

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|  | [Mining new patterns by learning from the trenches](http://dl.acm.org/citation.cfm?id=2893568&CFID=542847182&CFTOKEN=53055178) |
|  | [Robert S. Hanmer](http://dl.acm.org/author_page.cfm?id=81410595896&CFID=542847182&CFTOKEN=53055178), [Mehdi Mirakhorli](http://dl.acm.org/author_page.cfm?id=81340491470&CFID=542847182&CFTOKEN=53055178) |
|  | Article No.: 9 |
|  | Full text: [[PDF](http://dl.acm.org/ft_gateway.cfm?id=2893568&ftid=1688949&dwn=1&CFID=542847182&CFTOKEN=53055178)PDF](http://dl.acm.org/ft_gateway.cfm?id=2893568&ftid=1688949&dwn=1&CFID=542847182&CFTOKEN=53055178) |
|  | Pattern Mining is a scientific and experimental process where methods of knowledge discovery are used to find established ways of software analysis, design, implementation, and maintenance, and then describe such findings in as reusable knowledge for ...  [expand](javascript:%20expandcollapse('expcoll9',9)) |