UID	Title	Authors
1	A case study in locating the architectural roots of technical debt	Kazman, Rick; Cai, Yuanfang; Mo, Ran; Feng, Qiong; Xiao, Lu; Haziyev, Serge; Fedak, Volodymyr; Shapochka, Andriy
2	A Contextualized Vocabulary Model for identifying technical debt on code comments	de Freitas Farias, Mário André; de Mendonça Neto, Manoel Gomes; da Silva, André Batista; Spínola, Rodrigo Oliveira
3	A genetic approach to architectural pattern discovery	Peters, Joeri; van der Werf, Jan Martijn EM
4	A semi-automated framework for the identification and estimation of Architectural Technical Debt: A comparative case-study on the modularization of a software component	Martini, Antonio; Sikander, Erik; Madlani, Niel
5	An empirical investigation of modularity metrics for indicating architectural technical debt	Li, Zengyang; Liang, Peng; Avgeriou, Paris; Guelfi, Nicolas; Ampatzoglou, Apostolos
6	An empirically developed method to aid decisions on architectural technical debt refactoring: Anacondebt	Martini, Antonio; Bosch, Jan
7	An experience report on detecting and repairing software architecture erosion	Fontana, Francesca Arcelli; Roveda, Riccardo; Zanoni, Marco; Raibulet, Claudia; Capilla, Rafael
8	An investigation of technical debt in automatic production systems	Besker, Terese; Martini, Antonio; Bosch, Jan; Tichy, Matthias
9	Arcan: A Tool for Architectural Smells Detection	Fontana, Francesca Arcelli; Pigazzini, Ilaria; Roveda, Riccardo; Tamburri, Damian; Zanoni, Marco; Di Nitto, Elisabetta
10	Architectural dependency analysis to understand rework costs for safety-critical systems	Nord, Robert L.; Ozkaya, Ipek; Sangwan, Raghvinder S.; Koontz, Ronald J.
11	Architectural technical debt identification based on architecture decisions and change scenarios	Li, Zengyang; Liang, Peng; Avgeriou, Paris
12	Architectural Technical Debt in Embedded Systems	Martini, Antonio; Bosch, Jan
13	Architecture technical debt: Understanding causes and a qualitative model	Martini, Antonio; Bosch, Jan; Chaudron, Michel
14	Automatic Detection of Instability Architectural Smells	Fontana, Francesca Arcelli; Pigazzini, Ilaria; Roveda, Riccardo; Zanoni, Marco
15	Decoupling level: a new metric for architectural maintenance complexity	Mo, Ran; Cai, Yuanfang; Kazman, Rick; Xiao, Lu; Feng, Qiong
16	Does Technical Debt Lead to the Rejection of Pull Requests?	Silva, Marcelino Campos Oliveira; Valente, Marco Tulio; Terra, Ricardo
17	Estimating the principal of an application's technical debt	Curtis, Bill; Sappidi, Jay; Szynkarski, Alexandra
18	Guiding flexibility investment in agile architecting	Fernández-Sánchez, Carlos; Díaz, Jessica; Pérez, Jennifer; Garbajosa, Juan
19	Hotspot patterns: The formal definition and automatic detection of architecture smells	Mo, Ran; Cai, Yuanfang; Kazman, Rick; Xiao, Lu
20	Identifying and quantifying architectural debt	Xiao, Lu; Cai, Yuanfang; Kazman, Rick; Mo, Ran; Feng, Qiong
21	Identifying and visualizing Architectural Debt and its efficiency interest in the automotive domain: A case study	Eliasson, Ulf; Martini, Antonio; Kaufmann, Robert; Odeh, Sam
22	In search of a metric for managing architectural technical debt	Nord, Robert L.; Ozkaya, Ipek; Kruchten, Philippe; Gonzalez-Rojas, Marco
23	Investigating Architectural Technical Debt accumulation and refactoring over time: A multiple-case study	Martini, Antonio; Bosch, Jan; Chaudron, Michel
24	Mapping architectural decay instances to dependency models	Mo, Ran; Garcia, Joshua; Cai, Yuanfang; Medvidovic, Nenad
25	Measuring architecture quality by structure plus history analysis	Schwanke, Robert; Xiao, Lu; Cai, Yuanfang
26	Minimizing Refactoring Effort through Prioritization of Classes based on Historical, Architectural and Code Smell Information	Singh, Paramvir
27	Modeling architectural dependencies to support software release planning	Nord, Robert L.; Ozkaya, Ipek; Brown, Nanette; Sangwan, Raghvinder S.
28	On evaluating the impact of the refactoring of architectural problems on software quality	Fontana, Francesca Arcelli; Roveda, Riccardo; Vittori, Stefano; Metelli, Andrea; Saldarini, Stefano; Mazzei, Francesco
29	On the interest of architectural technical debt: Uncovering the contagious debt phenomenon	Martini, Antonio; Bosch, Jan
30	Practical Technical Debt Discovery by Matching Patterns in Assessment Graph	Shapochka, Andriy; Omelayenko, Borys
31	Preemptive management of model driven technical debt for improving software quality	Izurieta, Clemente; Rojas, Gonzalo; Griffith, Isaac
32	Software architecture health monitor	Cai, Yuanfang; Kazman, Rick
33	Technical debt and system architecture: the impact of coupling on defect-related activity	MacCormack, Alan; Sturtevant, Daniel J.
34	Technical Debt and the Reliability of Enterprise Software Systems: A Competing Risks Analysis	Ramasubbu, Narayan; Kemerer, Chris F.
35	Technical Debt Indexes provided by tools: a preliminary discussion	Fontana, Francesca Arcelli; Roveda, Riccardo; Zanoni, Marco
36	The danger of architectural technical debt: Contagious debt and vicious circles	Martini, Antonio; Bosch, Jan
37	Tool support for evaluating architectural debt of an existing system: An experience report	Fontana, Francesca Arcelli; Roveda, Riccardo; Zanoni, Marco
38	Towards a Technical Debt Management Framework based on Cost-Benefit Analysis	Harun, Muhammad Firdaus; Lichter, Horst
39	Using Naming Patterns for Identifying Architectural Technical Debt	del Carpio, Paul Mendoza
40	Visualising architectural dependencies	Brondum, John; Zhu, Liming
41	Identifying architectural bad smells	Garcia, Joshua; Popescu, Daniel; Edwards, George; Medvidovic, Nenad
42	Design rule spaces: A new form of architecture insight	Xiao, Lu; Cai, Yuanfang; Kazman, Rick
43	The aramis workbench for monitoring, analysis and visualization of architectures based on run-time interactions	Nicolaescu, Ana; Lichter, Horst; Göringer, Artjom; Alexander, Peter; Le, Dung
44	Towards assessing software architecture quality by exploiting code smell relations	Fontana, Francesca Arcelli; Ferme, Vincenzo; Zanoni, Marco
45	Detecting Software Modularity Violations	Wong, Sunny; Cai, Yuanfang; Kim, Miryung; Dalton, Michael
46	Enhancing the detection of code anomalies with architecture-sensitive strategies	Macia, Isela; Garcia, Alessandro; Chavez, Christina; von Staa, Arndt
47	On the relevance of code anomalies for identifying architecture degradation symptoms	Macia, Isela; Arcoverde, Roberta; Garcia, Alessandro; Chavez, Christina; von Staa, Arndt