UNIVERSIDADE FEDERAL DA BAHIA
Disciplina: *Fundamentos de Pesquisa para CC*
Cursos: PGCOMP
Profs.: Luciano Oliveira, Christina von Flach

Aluno: Joenio Marques da Costa

1º Trabalho – orientações e procedimentos

1) (7,0) A partir do Portal de Periódicos da CAPES (http://www.periodicos.capes.gov.br) execute as seguintes tarefas (com os seguintes valores ao lado, perfazendo o valor total de 7,0 para este item):

   a) (0,5) Indique 5 palavras-chave em português e suas correspondentes em inglês relacionadas ao tema da sua tese/dissertação.

   estática, código, análise, software, visualização.

   static, code, analysis, software, visualization.

   b) (0,5) Mostre o resultado da pesquisa com as palavras-chave escolhidas no *Compendex Engineering Index* (acesse o portal via coleções, aplique os filtros). Organize o resultado por ordem relevância (da maior para a menor, até os 50 primeiros).

   Ver resultado da pesquisa feita no Compendex Engineering Index no Apêndice A.

   c) (0,5) De forma similar, mostre o resultado da pesquisa com as palavras-chave escolhidas via o sistema de busca integrada do portal ou via outra base de dados relevante para a sua área, como a *Web of Science*. Organize o resultado por ordem relevância.

   Ver resultado da pesquisa feita no IEEE Xplore Digital Library no Apêndice B.

   d) (0,5) Liste os 5 periódicos indexados (pelo menos 3 deverão ser internacionais) mais importantes para o seu tema de pesquisa, indicando o fator de impacto, a(s) área(s) e a classificação do mesmo no sistema Qualis da CAPES, Ciência da Computação.

IEEE Transactions on Software Engineering (ISSN: 0098-5589)

Fator de Impacto: 2.292

Web QUALIS "CIÊNCIA DA COMPUTAÇÃO", A1

ISI Web of Science "COMPUTER SCIENCE, SOFTWARE ENGINEERING", Q1

Journal of Software Maintenance and Evolution (ISSN: 1532-060X)

Fator de Impacto: 0.442

Web QUALIS "CIÊNCIA DA COMPUTAÇÃO", B2

ISI Web of Science "COMPUTER SCIENCE, SOFTWARE ENGINEERING", Q2

Programming and Computer Software (ISSN: 1608-3261)

Fator de Impacto: 0.233

Web QUALIS "CIÊNCIA DA COMPUTAÇÃO", B3

ISI Web of Science "COMPUTER SCIENCE, SOFTWARE ENGINEERING", Q4

Information Visualization (ISSN: 1473-8716)

Fator de Impacto: 0.767

Web QUALIS "CIÊNCIA DA COMPUTAÇÃO", B1

ISI Web of Science "COMPUTER SCIENCE, SOFTWARE ENGINEERING", Q3

Science of Computer Programming (ISSN: 0167-6423)

Fator de Impacto: 0.548

Web QUALIS "CIÊNCIA DA COMPUTAÇÃO", B1

ISI Web of Science "COMPUTER SCIENCE, SOFTWARE ENGINEERING", Q4

e) (1,0) Faça uma pesquisa bibliográfica com no mínimo 8 artigos (sendo pelo menos 5 internacionais), que deverá ter as seguintes características: 1 artigo clássico de revisão, que obrigatoriamente todos os pesquisadores trabalhando no tema devem conhecer e citar; 2 artigos com forte base teórica no tema, de autores diferentes; 5 artigos bem recentes (publicados há menos de 3 anos) e fortemente relacionados ao seu tema de tese/dissertação.

01) Design Suite: Towards an Open Scientific Investigation Environment for Software Architecture Recovery

02) Evolution of Open Source Software Systems – A Large-Scale Investigation

03) How do committees invent?

04) Mining Version Histories to Guide Software Changes

05) On the Criteria To Be Used in Decomposing Systems into Modules

06) Técnicas de Visualização para Avaliação e Melhoria de Qualidade de Software Livre e Aberto

07) The Eyes Have It: A Task by Data Type Taxonomy for Information Visualizations

08) XFlow: An Extensible Tool for Empirical Analysis of Software Systems Evolution

f) (3,0) Faça um texto seu em português (de 3.000 a 4.000 caracteres contados sem espaço), que resuma e sistematize as idéias principais dos artigos selecionados na pesquisa bibliográfica. Observação: o texto deverá manter uma coerência lógica entre

os artigos analisados, evitando-se apenas juntar resumos de cada artigo separadamente.

A análise e estudo da evolução de sistemas comerciais é uma área há muito tempo pesquisada pelos centros de pesquisas em engenharia de software, isto proporcionou a criação e evolução de diversas técnicas e frameworks para este tipo de análise. O mesmo não ocorreu no contexto de sistemas "open source" que carecem de experiências neste sentido, dessa forma um estudo foi feito com o intuito de utilizar os resultados de anos de pesquisas em sistemas comerciais em novas pesquisas focadas em sistemas "open source", com o objetivo de comparar seus resultados e identificar se existem diferenças significativas entre os processos de desenvolvimento de cada um. Isto proporciona um entendimento maior da evolução de sistemas "open source", além de jogar luz sobre como estes sistemas são desenvolvidos. Sabe-se ainda muito pouco sobre alguns aspectos do desenvolvimento de softwares, especialmente sobre como desenvolvedores tomam decisões de design relativas a modularização por exemplo. Durante o design e o desenvolvimento de software comumente nada é dito sobre quais critérios devem ser utilizados para dividir um sistema em módulos, cada desenvolvedor toma decisões individuais. Estudos foram feitos com o objetivo de identificar tais critérios e tentou-se mostrar alternativas à simples estratégia de pensar módulos de sistemas como simples fluxogramas, de forma que ao invés de se começar com uma lista de dificuldades sobre decisões de design, desenha-se cada módulo como um conjunto de sub-rotinas relacionadas. Neste caminho entre o processo de desenvolvimento e o produto final desenvolvido, estudos sobre evolução de software tem tentado entender a relação entre software e seus desenvolvedores. Tais estudos usualmente requerem ferramentas auxiliares para lidar com grandes volumes de dados, estes dados são complexos e precisam ser coletados, processados e analisados. Inúmeras ferramentas tem surgido, mas a maioria oferece suporte limitado ao estudo sobre evolução de software que considerem aspectos técnicos e sociais em conjunto. Assim surge uma ferramenta chamada XFlow, uma ferramenta extensível para análise empírica sobre evolução de software considerando aspectos técnicos e sociais, esta ferramenta coleta dados de sistema de gerenciamento de configurações, processa tais informações computando métricas e finalmente apresenta poderosas e interativas visualizações. A ferramenta ainda destaca-se por possuir habilidades para prover informações úteis para formular e testar hipóteses.

g) (1,0) Traduza o resumo para o inglês (de 3.000 a 4.000 caracteres, sem espaço).

The analysis and study of the evolution of commercial systems is an area long time studied by research centers in software engineering, this led to the creation and evolution of various techniques and frameworks for this type of analysis. This doesn't occur in the context of the "open source" systems that lack of experience in this sense, thus a study was done in order to use the results of years of research in commercial systems in a new research focused on "open source" systems, with the goal of compare their results and to identify whether there are significant differences between the processes of development of each. This will provide a greater understanding of the evolution of "open source" systems, and shed light about how these systems are developed. Very little is known about some aspects of software development, especially on how developers make design decisions regarding modularization by instance. During the design and development of software is commonly nothing said about which criteria should be used to divide a system into modules, each developer takes inidivuais decisions. Studies were made to identify such criteria and we tried to show alternatives to simple strategy of thinking systems modules

as simple flowcharts so that instead of starting with a list of difficulties decisions design each module is drawn as a set of related subroutines. In this way between the development process and the final product developed studies on evolution of software has trying to understand the relationship between software and its developers. Such studies usually require support tools to handle large volumes of data, these data are complex and need to be collected, processed and analyzed. numerous tools have been proposed, but most of them offer limited support the study of the evolution of software to consider technical and social aspects together. Thus was born the XFlow tool, a tool for extensible empirical analysis of the evolution of software considering technical and social aspects, this tool collects data management system configurations, such information precesses computing metrics and finally presents powerful and interactive visualizations. The tool still stands out to possess skills to provide useful information for formulating and testing hypotheses.

2) (2,0) Indique pelo menos 1 grupo de referência no Brasil e 4 grupos de referência no exterior que estejam trabalhando no tema de sua tese/dissertação. Identifique o pesquisador líder em cada um desses grupos, bem como teses e dissertações orientadas. Avalie a possibilidade de realizar o doutorado sanduíche no exterior (apenas para os alunos de doutorado), levando em conta o tempo previsto (6 a 12 meses) e a proficiência no idioma, e indique a universidade e grupo de pesquisa de sua preferência, justificando sua escolha.

Scientific Visualization and Computer Graphics (SVCG) na Universidade de Groningen

(Holanda)
Líder: Jos B.T.M. Roerdink
http://www.cs.rug.nl/svcg

Grupo de Engenharia de Software da Universidade de Trier (Alemanha)
Líder: Stephan Diehl
https://www.uni-trier.de/index.php?id=3569

REVEAL (Reverse Engineering, Visualization, Evolution Analysis Lab) da Universidade de Lugano (Suíca)
Líder: Michele Lanza
http://reveal.inf.usi.ch

Laboratório de Engenharia de Software da Universidade Federal da Bahia (UFBA) no Brasil
Líder: Manoel Gomes de Mendonça Neto
http://les.dcc.ufba.br

Libresoft, Telematic Systems and Computing Department (GSyC) (University Rey Juan Carlos) em Madrid, Spain
Líder: Alicia Nieto
http://www.libresoft.es

3) (1,0) Indique pelo menos 1 congresso nacional, 3 congressos internacionais fortemente relacionados a seu tema de tese/dissertação.

ACM Symposium on Software Visualization (SOFTVIS);

IEEE International Workshop on Visualizing Software for Understanding and Analysis (VISSOFT);

Program Visualization Workshop (PVW);

Simpósio Brasileiro de Engenharia de Software (SBES);

International Conference on Open Source Systems (OSS).

Prazo e instruções para entrega:

23/10/2014 - Entrega do trabalho impresso, frente e verso, (1 cópia) na secretaria do PGCOMP. Para os artigos dos itens 1.b e 1.c, são suficientes o título, autores e sua afiliação e publicação (conferência ou revista), páginas e ano. Uma versão digital deve ser enviada apenas para assegurar que o aluno não terá problemas em caso de extravio ou perda do trabalho no processo de entrega física. Vale ressaltar que a versão para correção é a impressa. A versão digital deve ser enviada por email para: lrebouca@ufba.br e flach@dcc.ufba.br, com o título do assunto [1º Trabalho Metodologia da Pesquisa].

A correção gramatical, o estilo da escrita, a adequação do vocabulário, a formatação do texto e a correção no processo de envio do documento também serão avaliados.

Apendice A

Resultado da pesquisa na engine do Compendex Engineering Index

Palavras-chave pesquisadas:

static, code, analysis, software, visualization

String de busca:

((((((static) WN All fields) AND ((code) WN All fields)) AND ((analysis) WN All fields)) AND ((software) WN All fields)) AND ((visualization) WN All fields))

An effective visual system for static analysis of source code

Author: Wan, Ying (1); Tan, Chuanqi (2); Wang, Zhigang (1, 2); Wang, Guoqiang (1); Hong, Xiaojin (1)
Affiliation: (1) Lab of Computer Network Defense Technology, Beijing Institute of Technology, China (2) School of Mechatronical Engineering, Beijing Institute of Technology, China
Source: Advanced Materials Research
Pages: 5453-5458
Year: 2012

Software metrics in static program analysis

Author: Vogelsang, Andreas (1); Fehnker, Ansgar (2); Huuck, Ralf (2); Reif, Wolfgang (3)
Affiliation: (1) Fakultät für Informatik, Technische Universität München, Boltzmannstr. 3, Garching b., München 85748, Germany (2) National ICT Australia Ltd. (NICTA), University of New South Wales, Locked Bag 6016, Sydney, NSW 1466, Australia (3) Lehrstuhl für Softwaretechnik und Programmiersprachen, Universität Augsburg, Universtitätsstrasse 14, Augsburg 86135, Germany
Source: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)
Pages: 485-500
Year: 2010

ClonEvol: Visualizing software evolution with code clones

Author: Hanjalic, Avdo (1)
Affiliation: (1) Department of Computing Science, University of Groningen, Netherlands
Source: 2013 1st IEEE Working Conference on Software Visualization - Proceedings of VISSOFT 2013
Pages:
Year: 2013

Combining static and dynamic data in code visualization

Author: Eng, David (1)
Affiliation: (1) Sable Research Group, McGill University, Montreal, Que., H3A 2A7, Canada
Source: ACM SIGPLAN/SIGSOFT Workshop on Program Analysis for Software Tools and Engineering
Pages: 43-50
Year: 2002

Three-dimensional visualization tool for software fault analysis of a distributed system

Author: Amari, Haruo (1); Okada, Mikio (1)
Affiliation: (1) Tokyo Electric Power Co, Yokohama, Japan
Source: Proceedings of the IEEE International Conference on Systems, Man and Cybernetics
Pages: IV-194 - IV-199
Year: 1999

The Solid* toolset for software visual analytics of program structure and metrics comprehension: From research prototype to product

Author: Reniers, Dennie (1); Voinea, Lucian (1); Ersoy, Ozan (2); Telea, Alexandru (2)
Affiliation: (1) SolidSource BV, Eindhoven, Netherlands (2) Institute Johann Bernoulli, University of Groningen, Netherlands
Source: Science of Computer Programming
Pages: 224-240
Year: 2014

Magnify - A new tool for software visualization

Author: Bartoszuk, Cezary (1); Timoszuk, Grzegorz (1); Dabrowski, Robert (1); Stencel, Krzysztof (1)
Affiliation: (1) Institute of Informatics, University of Warsaw, Banacha 2, Warsaw 02-097, Poland
Source: 2013 Federated Conference on Computer Science and Information Systems, FedCSIS 2013
Pages: 1485-1488
Year: 2013

Visualization tools for understanding a complex code from a real application

Author: Campos, Fernanda (1); Cortazar, Esteban (1); Eterovic, Yadran (1); Ramirez, Leonardo (2); Tejos, Cristian (2); Irarrazaval, Pablo (2)
Affiliation: (1) Department of Computer Science, Pontificia Universidad Católica de Chile, Chile (2) Department of Electrical Engineering, Biomedical Imaging Center, Pontificia Universidad Católica de Chile, Chile
Source: 22nd International Conference on Computer Applications in Industry and Engineering 2009, CAINE 2009
Pages: 284-291
Year: 2009

A combined software reconnaissance & static analysis eclipse visualisation plug-in

Author: Cleary, Brendan (1); Le Gear, Andrew (1); Exton, Chris (1); Buckley, Jim (1)
Affiliation: (1) Department of Computer Science and Information Systems, University of Limerick, Ireland
Source: Proceedings - VISSOFT 2005: 3rd IEEE International Workshop on Visualizing Software for Understanding and Analysis
Pages: 121-122
Year: 2005

Software visualization in software maintenance, reverse engineering, and re-engineering: A research survey

Author: Koschke, Rainer (1)
Affiliation: (1) Institut fur Softwaretechnologie, Universität Stuttgart, Breitwiesenstrasse 20-22, 70565 Stuttgart, Germany
Source: Journal of Software Maintenance and Evolution
Pages: 87-109
Year: 2003

An Eclipse plug-in for the detection of design pattern instances through static and dynamic analysis

Author: De Lucia, Andrea (1); Deufemia, Vincenzo (1); Gravino, Carmine (1); Risi, Michele (1)
Affiliation: (1) Dipartimento di Matematica e Informatica, Università degli studi di Salerno, Fisciano(SA), Italy
Source: IEEE International Conference on Software Maintenance, ICSM
Pages:
Year: 2010

A lightweight visualization of interprocedural data-flow paths for source code reading

Author: Ishio, Takashi (1); Etsuda, Shogo (1); Inoue, Katsuro (1)
Affiliation: (1) Graduate School of Information Science and Technology, Osaka University, 1-5 Yamadaoka, Suita, Osaka, Japan
Source: IEEE International Conference on Program Comprehension
Pages: 37-46
Year: 2012

Using static code analysis tools to increase source code maintainability

Author: Novak, J. (1); Hericko, M. (1)
Affiliation: (1) University of Maribor, Smetanova ul. 17, 2000 Maribor, Croatia
Source: MIPRO 2009 - 32nd International Convention Proceedings: Telecommunications and Information
Pages: 145-148
Year: 2009

Animated visualization of software history using evolution storyboards

Author: Beyer, Dirk (1); Hassan, Ahmed E. (2)
Affiliation: (1) EPFL, Switzerland (2) University of Victoria, Canada
Source: Proceedings - Working Conference on Reverse Engineering, WCRE
Pages: 199-208
Year: 2006

Proceedings of the 1998 ACM SIGPLAN/SIGSOFT Workshop on Program Analysis for Software Tools and Engineering

Author:
Affiliation:
Source: ACM SIGPLAN/SIGSOFT Workshop on Program Analysis for Software Tools and Engineering
Pages:
Year: 1998

Case study: Visual analytics in software product assessments

Author: Telea, Alexandru (1); Voinea, Lucian (2)
Affiliation: (1) Institute for Math. and Computer Science, University of Groningen, Netherlands (2) SolidSource BV, Eindhoven, Netherlands
Source: Proceedings of VISSOFT 2009 - 5th IEEE International Workshop on Visualizing Software for Understanding and Analysis
Pages: 65-72
Year: 2009

Visual exploration of function call graphs for feature location in complex software systems

Author: Bohnet, Johannes (1); Döllner, Jürgen (1)
Affiliation: (1) University of Potsdam, Hasso-Plattner-Institute, Prof.-Dr.-Helmert-Str. 2-3, 14482 Potsdam, Germany
Source: Proceedings - SOFTVIS 06: ACM Symposium on Software Visualization
Pages: 95-104
Year: 2006

Static analysis of programs with graphical user interface

Author: Staiger, Stefan (1)
Affiliation: (1) Institute of Software Technology, University of Stuttgart
Source: Proceedings of the European Conference on Software Maintenance and Reengineering, CSMR
Pages: 252-261
Year: 2007

Detecting security vulnerabilities with software architecture analysis tools

Author: Karppinen, Kaarina (1); Lindvall, Mikael (2); Yonkwa, Lyly (2)
Affiliation: (1) VTT Technical Research Centre of Finland (2) FC-MD Fraunhofer Center for Experimental Software Engineering Maryland
Source: 2008 IEEE International Conference on Software Testing Verification and Validation Workshop, ICSTW'08
Pages: 262-268
Year: 2008

Projecting code changes onto execution traces to support localization of recently introduced bugs

Author: Bohnet, Johannes (1); Voigt, Stefan (1); Döllner, Jürgen (1)
Affiliation: (1) Hasso-Plattner-Institute, University of Potsdam, Germany
Source: Proceedings of the ACM Symposium on Applied Computing
Pages: 438-442
Year: 2009

Behavioral pattern identification through visual language parsing and code instrumentation

Author: De Lucia, Andrea (1); Deufemia, Vincenzo (1); Gravino, Carmine (1); Risi, Michele (1)
Affiliation: (1) Dipartimento di Matematica e Informatica, Università di Salerno, 84084 Fisciano, SA, Italy
Source: Proceedings of the European Conference on Software Maintenance and Reengineering, CSMR
Pages: 99-108
Year: 2009

Characterising, explaining, and exploiting the approximate nature of static analysis through animation

Author: Binkley, David (1); Harman, Mark (2); Krinke, Jens (3)
Affiliation: (1) Loyola College, Baltimore, MD 21210-2699, United States (2) King's College London, Strand,

London WC2R 2LS, United Kingdom (3) FernUniversität in Hagen, 58084 Hagen, Germany
Source: Proceedings - Sixth IEEE International Workshop on Source Code Analysis and Manipulation, SCAM 2006
Pages: 43-52
Year: 2006

Detecting defects with an interactive code review tool based on visualisation and machine learning

Author: Axelsson, Stefan (1); Baca, Dejan (1); Feldt, Robert (1); Sidlauskas, Darius (1); Kacan, Denis (1)
Affiliation: (1) Blekinge Institute of Technology, Sweden
Source: Proceedings of the 21st International Conference on Software Engineering and Knowledge Engineering, SEKE 2009
Pages: 412-417
Year: 2009

Analyzing Java software by combining metrics and program visualization

Author: Systa, Tarja (1); Yu, Ping (1); Muller, Hausi (1)
Affiliation: (1) Tampere Univ of Technology, Tampere, Finland
Source: Proceedings of the European Conference on Software Maintenance and Reengineering, CSMR
Pages: 199-208
Year: 2000

MOQA; unlocking the potential of compositional static average-case analysis

Author: Schellekens, M.P. (1)
Affiliation: (1) University College Cork, Department of Computer Science, Centre for Efficiency-Oriented Languages (CEOL), Ireland
Source: Journal of Logic and Algebraic Programming
Pages: 61-83
Year: 2010

Visualization of C++ template metaprograms

Author: Borók-Nagy, Zoltán (1); Májer, Viktor (1); Mihalicza, József (1); Pataki, Norbert (1); Porkoláb, Zoltán (1)
Affiliation: (1) Dept. of Programming Languages and Compilers, Eötvös Loránd University, Faculty of Informatics, Pazmany Peter Setany 1/C, H-1117 Budapest, Hungary
Source: Proceedings - 10th IEEE International Working Conference on Source Code Analysis and Manipulation, SCAM 2010
Pages: 167-176
Year: 2010

Computation and visualization of cause-effect paths

Author: Dubey, Alpana (1); Murthy, Pvr (2)
Affiliation: (1) Software Development Improvement Program ABB Ltd., Bangalore, India (2) Corporate Research Technologies Siemens, Bangalore, India
Source: 2013 8th International Workshop on Automation of Software Test, AST 2013 - Proceedings
Pages: 139-145
Year: 2013

Answering common questions about code

Author: LaToza, Thomas D. (1)
Affiliation: (1) Institute for Software Research, School of Computer Science, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, United States
Source: Proceedings - International Conference on Software Engineering
Pages: 983-986
Year: 2008

Fast analysis of source code in C and C++

Author: Savitskii, V.O. (1); Sidorov, D.V. (1)
Affiliation: (1) Institute for System Programming, Russian Academy of Sciences, ul. Solzhenitsyna 25, Moscow, 109004, Russia
Source: Programming and Computer Software
Pages: 49-55
Year: 2013

Heapviz: Interactive heap visualization for program understanding and debugging

Author: Kelley, Sean (1); Aftandilian, Edward (1); Gramazio, Connor (1); Ricci, Nathan (1); Su, Sara L. (1); Guyer, Samuel Z. (1)
Affiliation: (1) Department of Computer Science, Tufts University, 161 College Ave., Medford, MA 02155, United States
Source: Information Visualization
Pages: 163-177
Year: 2013

Maintaining a COTS integrated solution - are traditional static analysis techniques sufficient for this new programming methodology?

Author: Cherinka, R. (1); Overstreet, C.M. (1); Ricci, J. (1)
Affiliation: (1) MITRE Corp, Hampton, United States
Source: Conference on Software Maintenance
Pages: 160-169
Year: 1998

Constellation visualization: Augmenting program dependence with dynamic information

Author: Deng, Fang (1); DiGiuseppe, Nicholas (1); Jones, James A. (1)
Affiliation: (1) Department of Informatics, University of California, Irvine, Irvine, CA 92617-3440, United States
Source: Proceedings of VISSOFT 2011 - 6th IEEE International Workshop on Visualizing Software for Understanding and Analysis
Pages:
Year: 2011

Tackling software navigation issues of the Smalltalk IDE

Author: Röthlisberger, David (1); Nierstrasz, Oscar (1); Bergel, Alexandre (2); Ducasse, Stéphane (3)
Affiliation: (1) Software Composition Group, University of Bern, Switzerland (2) Computer Science Department (DCC), University of Chile, Chile (3) INRIA-Lille Nord Europe, France
Source: Proceedings of the International Workshop on Smalltalk Technologies 2009, IWST'09 - ESUG 2009 Smalltalk Joint Event
Pages: 58-67
Year: 2009

MAGISTER: Quality assurance of Magic applications for software developers and end users

Author: Nagy, Csaba (1); Vidács, László (1); Ferenc, Rudolf (1); Gyimóthy, Tibor (1); Kocsis, Ferenc (2); Kovács, István (2)
Affiliation: (1) University of Szeged, Department of Software Engineering, Research Group on Artificial Intelligence, Hungary (2) SZEGED Software Zrt., Hungary
Source: IEEE International Conference on Software Maintenance, ICSM
Pages:
Year: 2010

Support for static concept location with sv3D

Author: Xie, Xinrong (1); Poshyvanyk, Denys (1); Marcus, Andrian (1)
Affiliation: (1) Department of Computer Science, Wayne State University, Detroit, MI 48202, United States
Source: Proceedings - VISSOFT 2005: 3rd IEEE International Workshop on Visualizing Software for Understanding and Analysis
Pages: 102-107
Year: 2005

Approach to static prediction and visual analysis of program execution time

Author: Sun, Chang-Ai (1); Jin, Mao-Zhong (1); Liu, Chao (1); Jin, Ruo-Ming (1)
Affiliation: (1) Dept. of Comp. Sci. and Eng., Beijing Univ. of Aero. and Astron., Beijing 100083, China
Source: Ruan Jian Xue Bao/Journal of Software
Pages: 68-75
Year: 2003

Proceedings of the 2002 ACM SIGPLAN-SIGSOFT workshop on program analysis for software tools and engineering

Author:
Affiliation:
Source: ACM SIGPLAN/SIGSOFT Workshop on Program Analysis for Software Tools and Engineering
Pages:
Year: 2002

Seesoft--A tool for visualizing line oriented software statistics

Author: Eick, Stephen G. ; Steffen, Joseph L. ; Sumner Jr., Eric E.
Affiliation:
Source: IEEE Transactions on Software Engineering
Pages: 957-968
Year: 1992

Experimental and FE analysis of quasi-static bending of foam-filled structures

Author: Kinoshita, Shigeaki (1); Lu, Guoxing (2); Ruan, Dong (1); Beynon, John (1)
Affiliation: (1) Faculty of Engineering and Industrial Sciences, Swinburne University of Technology, John Street, Hawthorn, VIC 3122, Australia (2) Nanyang Technological Univ., Singapore
Source: SAE Technical Papers
Pages: 44-54
Year: 2010

Experimental and FE analysis of quasi-static bending of foam-filled structures

Author: Kinoshita, Shigeaki (1); Lu, Guoxing (2); Ruan, Dong (1); Beynon, John (1)
Affiliation: (1) Faculty of Engineering and Industrial Sciences, Swinburne University of Technology, John Street, Hawthorn, VIC.3122, Australia (2) Nanyang Technological University, Singapore
Source: SAE International Journal of Materials and Manufacturing
Pages: 44-54
Year: 2010

Compiler Construction: 17th International Conference, CC 2008 - Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2008, Proceedings

Author:
Affiliation:
Source: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)
Pages:
Year: 2008

Heapviz: Interactive heap visualization for program understanding and debugging

Author: Aftandilian, Edward E. (1); Kelley, Sean (1); Gramazio, Connor (1); Ricci, Nathan (1); Su, Sara L. (1); Guyer, Samuel Z. (1)
Affiliation: (1) Department of Computer Science, Tufts University, United States
Source: Proceedings of the ACM Conference on Computer and Communications Security
Pages: 53-62
Year: 2010

Monitoring compliance of a software system with its high-level design models

Author: Sefika, Mohlalefi (1); Sane, Aamod (1); Campbell, Roy H. (1)
Affiliation: (1) Univ of Illinois at Urbana-Champaign, Urbana, United States
Source: Proceedings - International Conference on Software Engineering
Pages: 387-396
Year: 1995

Kinetic parameters evaluation of PWRs using static cell and core calculation codes

Author: Jahanbin, Ali (1); Malmir, Hessam (1)
Affiliation: (1) Department of Energy Engineering, Sharif University of Technology, Azadi Street, Tehran, Iran
Source: Annals of Nuclear Energy
Pages: 110-114
Year: 2012

T-Morph: Revealing buggy behaviors of TinyOS applications via rule mining and visualization

Author: Zhou, Yangfan (1, 2); Chen, Xinyu (1); Lyu, Michael R. (2, 3); Liu, Jiangchuan (4)
Affiliation: (1) Shenzhen Research Institute, Chinese Univ. of Hong Kong, Shenzhen, China (2) Dept. of Computer Sci. and Eng., Chinese Univ. of Hong Kong, Hong Kong, Hong Kong (3) School of Computers, National Univ. of Defense Technology, Changsha, China (4) School of Computing Science, Simon Fraser Univ., Burnaby, BC, Canada
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Apendice B

Resultado da pesquisa na engine do IEEE Xplore Digital Library

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Affiliation: Comput. Sci. & Software Eng. Dept., Concordia Univ., Montreal, QC

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