

## **Temas para seminários dos alunos de mestrado**

### **Programação orientada a aspectos (Júlio e Cristiane)**

I want my AOP!, Partes 1, 2, e 3

By Ramnivas Laddad, JavaWorld.com, 01/18/02

<http://www.javaworld.com/javaworld/jw-01-2002/jw-0118-aspect.html>

<http://www.javaworld.com/javaworld/jw-03-2002/jw-0301-aspect2.html>

<http://www.javaworld.com/javaworld/jw-04-2002/jw-0412-aspect3.html>

```
@inproceedings{DBLP:conf/ecoop/KiczalesLMMLLI97,
  author   = {Gregor Kiczales and
              John Lamping and
              Anurag Mendhekar and
              Chris Maeda and
              Cristina Videira Lopes and
              Jean-Marc Loingtier and
              John Irwin},
  title    = {Aspect-Oriented Programming},
  booktitle = {ECOOP},
  year     = {1997},
  pages    = {220-242},
  ee       = {http://link.springer.de/link/service/series/0558/bibs/1241/12410220.htm},
  bibsource = {DBLP, http://dblp.uni-trier.de}
}
```

### **Linguagens (formais e informais) para descrição de arquiteturas**

Capítulo 9 do Software Architecture in Practice.

```
@article{DBLP:journals/tse/MedvidovicT00,
  author   = {Nenad Medvidovic and
              Richard N. Taylor},
  title    = {A Classification and Comparison Framework for Software Architecture
              Description Languages},
  journal  = {IEEE Trans. Software Eng.},
  volume   = {26},
  number   = {1},
  year     = {2000},
  pages    = {70-93},
  ee       = {http://www.computer.org:80/tse/ts2000/e0070abs.htm},
  bibsource = {DBLP, http://dblp.uni-trier.de}
}
```

```
@article{DBLP:journals/tosem/MedvidovicRRR02,
  author   = {Nenad Medvidovic and
              David S. Rosenblum and
              David F. Redmiles and
              Jason E. Robbins},
```

```

title   = {Modeling software architectures in the Unified Modeling
           Language},
journal = {ACM Trans. Softw. Eng. Methodol.},
volume  = {11},
number  = {1},
year    = {2002},
pages   = {2-57},
ee      = {http://doi.acm.org/10.1145/504087.504088},
bibtex  = {DBLP, http://dblp.uni-trier.de}
}

```

## **Tolerância a falhas em sistemas de software**

Fault Tolerance: Principles and Practice  
P. Lee and T. Anderson  
2nd Edition.  
Springer-Verlag, 1990.

Software Fault Tolerance  
Carnegie Mellon University  
18-849b Dependable Embedded Systems  
Spring 1998  
Author: Chris Inacio  
[http://www.ece.cmu.edu/~koopman/des\\_s99/sw\\_fault\\_tolerance/](http://www.ece.cmu.edu/~koopman/des_s99/sw_fault_tolerance/)

Brian Randell and Jie Xu  
The Evolution of the Recovery Block Concept  
<http://www.cs.ncl.ac.uk/publications/books/papers/101.pdf>

Algirdas Avizienis  
The Methodology of N-Version Programming  
[http://rise.uni.lu/tiki/se2c-bib\\_download.php?id=1146](http://rise.uni.lu/tiki/se2c-bib_download.php?id=1146)

## **Controle de Tráfego Aéreo: Um Estudo de Caso em Arquitetura de Software**

Capítulo 6 do Software Architecture in Practice.

Software's Chronic Crisis  
TRENDS IN COMPUTING by W. Wayt Gibbs, staff writer.  
Copyright Scientific American; September 1994; Page 86  
<http://homepages.dcc.ufmg.br/~rodolfo/es-1-08/gibbs94SoftwareChronicCrisis.pdf>

A case study in assessing the maintainability of large, software-intensive systems  
A.W. Brown D.J. Carney P.C. Clements  
Software Eng. Inst., Carnegie Mellon Univ., Pittsburgh, PA, USA;  
Proceedings of the 1995 International Symposium and Workshop on  
Systems Engineering of Computer Based Systems, 1995.,

On page(s): 240-247  
Location: Tucson, AZ, USA, USA

## **Modularidade e Confiabilidade (alguns textos fundamentais)**

```
@article{361623,  
  author = {D. L. Parnas},  
  title = {On the criteria to be used in decomposing systems into modules},  
  journal = {Commun. ACM},  
  volume = {15},  
  number = {12},  
  year = {1972},  
  issn = {0001-0782},  
  pages = {1053--1058},  
  doi = {http://doi.acm.org/10.1145/361598.361623},  
  publisher = {ACM},  
  address = {New York, NY, USA},  
}  
  
@inproceedings{808458,  
  author = {D. L. Parnas},  
  title = {The influence of software structure on reliability},  
  booktitle = {Proceedings of the international conference on Reliable software},  
  year = {1975},  
  pages = {358--362},  
  location = {Los Angeles, California},  
  doi = {http://doi.acm.org/10.1145/800027.808458},  
  publisher = {ACM},  
  address = {New York, NY, USA},  
}  
  
@inproceedings{DBLP:conf/icse/ParnasW76,  
  author = {David Lorge Parnas and  
           Harald W{"u"}rges},  
  title = {Response to Undesired Events in Software Systems},  
  booktitle = {ICSE},  
  year = {1976},  
  pages = {437-446},  
  bibsource = {DBLP, http://dblp.uni-trier.de}  
}
```

## **Live Sequence Charts**

LSCs: Breathing Life into Message Sequence Charts  
Werner Damm e David Harel  
Formal Methods in System Design, 19, pp. 45-80, 2001  
<http://www.wisdom.weizmann.ac.il/~dharel/SCANNED.PAPERS/LSCs.pdf>

## **Visão Crítica (mas não necessariamente negativa) dos Métodos Ágeis e de XP**

Get Ready for Agile Methods, with Care

Barry Boehm

IEEE Computer, Vol. 35, No. 1

January 2002, pp. 64-69

<http://www2.umassd.edu/swpi/xp/papers/r1064.pdf>

Does Agility Work?

Jim Highsmith

Dr. Dobbs Journal, June 2002.

<http://www.ddj.com/architect/184414858>

Extreme programming from a CMM perspective

IEEE Software, Volume 18, Issue 6,

Nov/Dec 2001, pp 19-26

<ftp://ftp.sei.cmu.edu/pub/documents/articles/pdf/xp-from-a-cmm-perspective.pdf>

Exploring extreme programming in context: an industrial case study

Layman, L.; Williams, L.; Cunningham, L.

Agile Development Conference, 2004

Volume , Issue , 22-26 June 2004 Page(s): 32 - 41

The Agile Method and Other Fairly Tales

David Longstreet

<http://www.softwaremetrics.com/Agile/Agile%20Method%20and%20Other%20Fairly%20Tales.pdf>