

Curriculum Vitae

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I - Education

- **PhD in Computer Science**, Electronics and Computer Science Department, University of Southampton, UK, 1997. **Thesis:** “*Efficient Scheduling of Parallel Applications on Workstation Clusters*”, and **MPhil** thesis: “*Workstation Cluster as a Parallel Environment*”.
- **Systems Analyst**, Department of Computer Science, Catholic University - PUC-Rio, Brazil, 1986. **Final Work:** “*Implementing an Enhanced Mechanism to Control Patents*”.
- **B.Sc. in Electrical Engineering**, Department of Electrical Engineering, University Gama Filho, Brazil, 1984. **Final Work:** “*A Study of Load Balancing in Transmission Lines*”

II - Research Interests

- Distributed Computing Systems;
- Cluster and Grid Environments for Parallel Engineering and Scientific Applications;
- Parallel Processing;
- Scheduling and Load balancing for Distributed Parallel Applications;
- Data and Computer Communication;
- Mobile Computing;
- Ontology and semantic to build middleware environments

Prof. Dantas has several industrial projects related to high performance computing issues from each he provides grants to his undergraduate and Msc students.

III - Teaching Interests

- High Performance Computing Architectures;
- Distributed Computing;
- Data and Computer Communication;
- Parallel and Distributed Processing.

IV - Academic Work Experience

- **University of Brasília (UnB)**, Department of Computer Science, Brasília, Brazil, Associate Professor, May 1998 - July 2002.

- UnderGraduate- Courses: Data Communication;
Computer Networks;
Operating Systems;
Introduction to Computing;
Database Systems.
- Final Course Projects (Subjects)*: High-Performance Networks;
Mobile Agents;
Mobile Computing;
Parallel Engineering Applications;
Distributed High-Availability Architectures;
Lightweight Protocols;
Scheduling for Cluster and Grid Environments.

* All the students have published their projects in a workshop or conference (national or international).

- Graduate (MSc)- Courses: High-Performance Protocols;
Computer Networks;
Data Communications.
- Supervision of MSc Thesis (Subjects)*: Mobile Agents;
Lightweight Protocols;
Distributed Scheduling for Grid Environments.

* All the students have published their projects in an international conference.

- **Federal University of Santa Catarina (UFSC)**, Department of Informatics and Statistics, Florianópolis, Brazil, Associate Professor, July 2002 - Present

- Under-Graduate - Courses: Computer Networks;
High Performance Computing Architectures;
Distributed Computing.
- Final Course Projects : High-Performance Networks;
(Subjects in executions) Mobile Agents;
Mobile Computing;
Parallel Engineering Applications;
Distributed High-Availability Architectures;
Lightweight Protocols;

Scheduling for Cluster and Grid Environments.

- Graduate (MSc)- Courses : High-Performance Protocols;
Distributed Architectures.
- Supervision of MSc Thesis (Subjects): High Performance Computing Architectures;
Frameworks for Scheduling and Load Balancing;
Mobile Computing;
Lightweight Protocols;
Distributed Scheduling for Grid Environments.

Prof. Dantas has oriented 1 Phd student, 28 Msc thesis and 30 undergrad final course work.

V - Industry Work Experience

- **Petrobras** (Brazilian Petroleum Company), Headquarter Rio de Janeiro, Brazil, System Analyst, March 1987 - November 1998.
 - Project leader of a group responsible for installing and supporting CAD/CAE Intergraph software at the Engineering Division of the Production Department (87-89) in Unix and VAX/VMS environments.
 - Group leader of supporting team of the VAX/VMS and Unix environments (90-91) of the Production Department
 - Group leader for supporting team for TCP/IP, Decnet, XNS and X-25 protocols (92-93) of the Production Department. After this period, I did my Ph.D in Southampton (UK) till 1996.
 - Support for scientific application under parallel environments (such as PVM and MPI) and distributed configurations (96-98).
 - Designed and implemented many projects using hybrid computer networks (96-98).
- **Institute of Research and Development (IPD)**, Headquarter Rio de Janeiro, Brazil, System Analyst, June 1986 - March 1987.
 - Designed and implemented of basic I/O routines for microcomputer devices

VI - SUMMARY

Highly motivated skilled and experienced educator, researcher and project investigator, with an excellent background and with experience in industry and academia. Professor Dantas has being awarded in every graduation ceremony for his teaching skill by students from both UnB and UFSC Universities.

The primary focus of my research is high performance computing systems, communication networks, parallel and distributed systems. This includes the development and research of software abstractions to enhance distributed and parallel applications over high performance distributed

systems such as cluster and grid environments. Therefore, subjects such as load balancing on distributed systems, parallel environments, mobile computing are some points addressed in my research. Dr. Dantas is an IEEE and ACM member.

VII - List of Publications

- **Books**

1. *Computação Distribuída de Alto Desempenho: Redes, Clusters e Grids Computacionais*, Axcel Books (<http://www.axcel.com.br>), ISBN 85-7323-240-4 (English Title: Distributed High Performance Computing: Networks, Clusters and Grids), 2005.
2. *Tecnologias de Redes de Comunicação e Computadores, Tecnologias de Redes de Comunicação e Computadores*, Axcel Books (<http://www.axcel.com.br>), ISBN 85-7323-169-6 (English Title: Data and Computer Communication Technologies), 2002.

- **Chapters in Books**

1. DANTAS, M. A. R., FMLOPES
An Enhanced Load Balancing in a Parallel Heterogeneous Workstation Cluster In: High Performance Computing Systems and Applications, Ed. Norwell: Kluwer Academics, ISBN 1-4020-7389-5, v.1, p. 175-184, 2003.
2. DANTAS, M. A. R., JARDINI, G
Evaluation of XTP and TCP Transport Protocols for Multicast Communications In: High Performance Computing Systems and Applications, ed. Norwell : Kluwer Academic, ISBN 1-4020-7389-5, v.1, p. 185-192, 2003.
3. DANTAS, M. A. R. *Cluster, Grid Computing e Processamento Oportunistico na Internet* In: III Escola Regional de Informática do RJ-ES, Brazilian Computer Society, ISBN 858844264, v.03, p. 41-61, 2003.
4. DANTAS, M. A. R. *Analysis of a Lightweight Transport Protocol for High-Performance* In: High Performance Computing Systems and Applications ed. Boston : Kluwer Academic Publishers, ISBN 0-79237617-x, v.1, p.291-299, 2001
5. DANTAS, M. A. R., MELO, A.
EASY-PAR - A Hybrid Environment for Message-Passing and DSM In: High-Performance Computing and Applications ed. Boston : Kluwer Academic Publisher, p. 403-411. ISBN 079237774-5, 2000.
6. DANTAS, M. A. R.
Redes de Alto-Desempenho In: Anais da III Escola Regional de Informática do Centro-Oeste, v.1, p. 173-196, 2000.
7. DANTAS, M.A.R., Zaluska, E.D., Experiences with Porting an Engineering Application to

Workstation Clusters using PVM and MPI Experiences with Porting an Engineering Application to Workstation Clusters using PVM and MPI, Challenges in Telecomp and Telecom: Parallel Simulation of Complex Systems and Large-Scale Applications, Elsevier, pp. 229-236, ISBN 044482559-21996

- **Papers in Journals**

1. DANTAS, M. A. R., PINTO, Alex Sandro Roschildt, *Servidor Genético: Uma abordagem de balanceamento de carga baseada em algoritmo de aprendizado de máquina genético para agregados de computadores*. Revista Infocomp, Journal of Computer Science (<http://www.dcc.ufla.br/infocomp>), ISSN 1807-4545, March, v.5, n.1, p.51 - 60, 2006.
2. DANTAS, M. A. R., SILVEIRA, E. R. *Uma Abordagem de Monitoração de Tráfego de Rede utilizando Lógica Difusa*, Infocomp Journal of Computer Science, ISSN 1807-4545, (<http://www.dcc.ufla.br/infocomp>), September, v.4, n.3 p.40 - 49, 2005.
3. DANTAS, M. A. R., OLIVEIRA, B. DA S. *Hydra: Uma Abordagem de Compilação Distribuída*. REIC (Revista eletrônica de iniciação científica), Electronic Journal of Brazilian Computer Society (<http://www.sbc.org.br/index.php?language=1&subject=101>), ISSN 1519-8219, March, v.5, n.1, 2005.
4. DANTAS, M. A. R., PERNAS, A. M. *Ontologias Aplicadas a Descrição de Recursos em Ambientes Grid*, Revista Infocomp Journal of Computer Science, ISSN 1807-4545, (<http://www.dcc.ufla.br/infocomp>), November, v.3, n.2 p.26 - 31, 2004.
5. DANTAS, M. A. R., R.M. Alvim, F.L.L. Grossmann *Implementação de uma Arquitetura para Serviço Distribuído com Grande Disponibilidade em Ambiente Linux*, REIC (Revista eletrônica de iniciação científica), Electronic Journal of Brazilian Computer Society (<http://www.sbc.org.br/index.php?language=1&subject=101>), ISSN 1519-8219, September, v.2, n.3, 2002.
6. DANTAS, M. A. R., ZALUSKA, E. *Efficient Scheduling of MPI Applications on Networks of Workstations*, Future Generation Computer Systems, ISSN 0167-739X, May, v.13, n.6, p.489 - 499, 1998.
7. DANTAS, M. A. R., ZALUSKA, E. *A Portable Petroleum Reservoir Model on Workstation Clusters Using MPI*, Electronics And Computer Science Research Journal (<http://www.ecs.soton.ac.uk>), 1996.

- **Papers in International Conferences**

1. ROSETTO, Anubis ; BORGES, Vinicus C ; DANTAS, M. A. R. . SuMMIT - An Architecture for Mobile Devices to Coordinate the Execution of Applications in Grid Environments. In: 16th IEEE International Workshops on Enabling Technologies:

Infrastructures for Collaborative Enterprises, 2007, Paris. Proceeding of 16th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises. New Jersey : IEEE, 2007.

2. BORGES, Vinicus C ; PARRA, Alexandre ; DANTAS, M. A. R. . A Framework for Processes Submission and Monitoring from Mobile Devices to Grid Configurations Utilizing Resource Matching. In: IEEE Symposium on Computers and Communications (ISCC'07), 2007, Aveiro. Proceedings of IEEE Symposium on Computers and Communications (ISCC'07). New Jersey : IEEE, 2007. v. 12. p. 749-756.
3. DANTAS, M. A. R. ; PINTO, A R ; MONTEZ, Carlos Barros . A Middleware for OSCAR and Wireless Sensor Network Environments. In: 21st International Symposium on High Performance Computing Systems and Applications (HPCS'07), 2007, Saskatoon. Proceedings of 21st International Symposium on High Performance Computing Systems and Applications (HPCS'07). New Jersey : IEEE Press, 2007. p. 24-30.
4. PARRA, Alexandre ; DANTAS, M. A. R. . A Grid Resource Matching Tool Based on the Semantic Integration of the Diverse Ontologies. In: SBAC-PAD 2007: 19th International Symposium on Computer Architecture and High Performance Computing, 2007, Gramado. Proceeding of 19th International Symposium on Computer Architecture and High Performance Computing. New Jersey : IEEE, 2007.
5. BORGES, Vinicus C ; ROSETTO, Anubis ; Frank Jurgen Knaesel ; DANTAS, M. A. R. . An Enhanced Approach for Submission and Monitoring of Applications in the Mobile Grid. In: The Fifth International Symposium on Parallel and Distributed Processing and Applications (ISPA07), 2007, Niagara Falls. Proceeding of the The Fifth International Symposium on Parallel and Distributed Processing and Applications (ISPA07), 2007.
6. BORGES, Vinicus C ; ROSETTO, Anubis ; PARRA, Alexandre ; DANTAS, M. A. R.. SuMMIT - A Framework for Coordinating Applications Execution in Mobile Grid Environments. In: The 8th IEEE/ACM International Conference on Grid Computing (Grid 2007), 2007, Austin. Proceedings of The 8th IEEE/ACM International Conference on Grid Computing (Grid 2007), 2007.
7. DANTAS, M. A. R., MILANESE, E. B. *A Process Oriented Tool for Mobile Devices for Monitoring* In: OSCAR 2006, 2006, St. John's. 20th International Symposium on High-Performance Computing in an Advanced Collaborative Environment (HPCS'06), 2006. New Jersey - USA: IEEE Press, v.1. p.35, 2006.
8. DANTAS, M. A. R., MELO, A., LOPES, J. G. R. C., RALHA, C. G. *A Proposal and Evaluation of a Mechanism for Grid Ontology Merge* In: 20th Annual International Symposium on High Performance Computing Systems and Applications (HPCS 2006),, 2006, St .John's, Proceedings of the 20th Annual International Symposium on High Performance Computing Systems and Applications (HPCS 2006),. New Jersey - USA: IEEE Press, v.1. p.2, 2006.
9. DANTAS, M. A. R., PARRA, Alexandre *An Efficient Approach for Resource Set-Matching in Grid Computing Configurations* In: International Symposium on High Performance Computing Systems and Applications (HPCS-2006),StJohn's, Proceedings of 20th Annual International Symposium on High

Performance Computing Systems and Applications (HPCS 2006), 14-17 May 2006, St. John's, Newfoundland, Canada. IEEE Computer Society 2006. New Jersey: IEEE Press, v.1,p.5,2006.

- 10.** DANTAS, M. A. R., PINTO, A. R.
A Load Balancing Approach Based on a Genetic Machine Learning Algorithm In: International Symposium on High Performance Computing Systems and Applications, 2005, Guelph. 19th International Symposium on High Performance Computing Systems and Applications. Piscataway - NJ - USA: IEEE Press, v.1. p.124 – 130, 2005.
- 11.** DANTAS, M. A. R., BAGGIO, R. K.
A SMS Tool For Alerts and Monitoring of a High Availability Cluster Environment In: International Symposium on High Performance Computing Systems and Applications, 2005, Guelph. 19th International Symposium on High Performance Computing Systems and Applications. Piscataway - NJ - USA: IEEE Press, v.1. p.307 – 311,2005.
- 12.** DANTAS, M. A. R., C. Rista
A Wireless Monitoring Approach for a HA-OSCAR Cluster Environment In: International Symposium on High Performance Computing Systems and Applications, 2005, Guelph. 19th International Symposium on High Performance Computing Systems and Applications. Piscataway - NJ -USA: IEEE PRESS,. v.1. p.302 – 306, 2005.
- 13.** DANTAS, M. A. R., PERNAS, A. M.
Using Ontology for Description of Grid Resources In: International Symposium on High Performance Computing Systems and Applications, Guelph. 19 th International Symposium on High Performance Computing Systems and Applications. Piscataway - NJ - USA: IEEE Press, 2005. v.1. p.223 – 229, 2005.
- 14.** DANTAS, M. A. R., HOSKEN, Anderson
THE ATHA ENVIRONMENT: EXPERIENCE WITH A USER FRIENDLY ENVIRONMENT FOR OPPORTUNISTIC COMPUTING In: The 18th International Symposium on High Performance Computing Systems and Applications, 2004, Winnipeg. IEEE Proceeding of The 18th International Symposium on High Performance Computing Systems and Applications. Winnipeg: University of Manitoba, p.85 – 88, 2004.
- 15.** DANTAS, M. A. R., F.L.L. Grossmann, R.M. Alvim
Providing Cluster Environments with High_availability and Load-Balancing In: Computing Systems and Applications and Oscar Symposium, 2003, Sherbrooke. Proceedings of the HPCS 2003,v.1. p.311 – 315, 2003.
- 16.** DANTAS, M. A. R., ALLEMAND, N., BRASIL, L.
A Case Study of Globus and Legion Environments In: Workshop on Grid-Computing of the School of High Energy Physics, 2002, Rio de Janeiro. Workshop on Grid-Computing of the School of High Energy Physics, v.1. p.1 – 9, 2002.
- 17.** DANTAS, M. A. R., LOPES, G., RAMOS, T.
An Enhanced Scheduling Approach in a Distributed Parallel Environment Using Mobile Agents In: The 16th Annual International Symposium on High Performance Computing Systems and Applications (HPCS'2002), 2002, Moncton. IEEE Proceedings of the Annual International Symposium on High Performance

Computing Systems and Applications (HPCS'2002),. New Jersey: IEEE Press, v.1. p.177 – 181, 2002.

- 18.** DANTAS, M. A. R., LOPES, F. M. A. Improving Load Balancing in a Parallel Cluster Environment Using Mobile Agents In: HPCN 2001 - Europe, 2001, Amsterdam. Lecture Notes in Computer Science. Berlin: Springer, v.2110. p.524 – 531, 2001.
- 19.** DANTAS, M. A. R., WOLSKI, E. Parallel Implementation of Elliptic Curve Method for Integer Factorization Using Message-Passing Interface (MPI) In: SBAC- PAD 13th Symposium on Computer Architecture and High-Performance, 2001, Pirenopolis - GO. SBAC- PAD 13th Symposium on Computer Architecture and High-Performance. , 2001.
- 20.** DANTAS, M. A. R., QUEIROZ, W., PFSTHER, G. An Efficient Threshold for Distributed Workstation Clusters In: High Performance Computing in Simulation, 2000, Washington. Proceedings of the 2000 HPC in Computer Simulation. Society for Computer_Simulation, 2000.
- 21.** DANTAS, M. A. R., MELAS, P., ZALUSKA, E. Efficient Communication of MPI Applications on Network of Workstations In: 1997 IASTED Conference on Applied Informatics, 1997, Innsbruck. Proceedings of the 1997 IASTED Conference on Applied Informatics. IASTED, p.141 – 144, 1997.
- 22.** DANTAS, M. A. R. Enhanced MPI on Workstation Clusters In: 1997 HPC in Computer Simulation, 1997, Atlanta.Proceeding of the 1997 HPC in Computer Simulation. Society For Computer Simulation, p.177 – 183, 1997.
- 23.** DANTAS, M. A. R. S-MPI : A LightWeight Message-Passing Approach on Workstation Cluster In: 1997 International IASTED Software Engineering Conference, 1997, San Francisco. Proceedings of the 1997 IASTED Software Engineering Conferences, p.93 – 97, 1997.
- 24.** DANTAS, M. A. R., ZALUSKA, E. Improving the Load Balancing in an MPI Environment wit Resource Management In: HPCN 96, 1996, Bruxelas.Lecture Notes in Computer Science. ELSEVIER, v.1067. p.959 – 960, 1996.
- 25.** DANTAS, M. A. R., ZALUSKA, E. Improving the performance of a petroleum reservoir model on workstation clusters using MPI In: 1996 HPC in Computer Simulation, 1996, New Orleans. Proceedings of the 1996 HPC, Grand Challenges in Computer Simulation. , 1996. p.72 – 77, 1996.

- **Publications in Brazilian Conferences**

1. PARRA, Alexandre ; DANTAS, M. A. R. . Seleccionador de Recursos Grade Baseado na Integração Semântica de Múltiplas Ontologias. In: V Workshop de Computação em Grade e Aplicações (WCGA2007), 2007. Anais do V Workshop de Computação em Grade e Aplicações (WCGA2007). p. 23-34, 2007.
2. MANICA, Heloise ; Juçara Salete Gubiani, ; José Leomar Todesco, ; DANTAS, M. A. R. ; Aran Morales . A Gestão do Conhecimento e Agentes de Software na Web Semântica. In: 5 Conged- Congresso de Tecnologias para a Gestão de Dados e Metadados do Cone Sul, 2007, Cascavel - PR. Anais do 5o Congresso de Tecnologias para a Gestão de Dados e Metadados do Cone Sul, 2007.
3. Frank Jurgen Knaesel ; DANTAS, M. A. R. . Sharing Consistent Data in Ad-Hoc Networks. In: 5 Conged- Congresso de Tecnologias para a Gestão de Dados e Metadados do Cone Sul, 2007, Cascavel - PR. Anais do 5o Congresso de Tecnologias para a Gestão de Dados e Metadados do Cone Sul, 2007.
4. DANTAS, M. A. R., AGUIRRE, F. B. Análise de Desempenho em Ambientes de Multicomputadores Utilizando o Ambiente ATHA In: ERAD 2006 - Forum de Pós-Graduação em PAD, 2006, Ijuí. 6a Escola Regional de Alto Desempenho., v.1. p.69 – 70, 2006.
5. PARRA, Alexandre, DANTAS, M. A. R. Seleção de Múltiplos Recursos em Configurações de Grade Computacional Baseada em Ontologia In: XXXIII Seminário Integrado de Software e Hardware, Campo Grande. Anais do XXVI SBC, v.1. p.316 – 330, 2006.
6. DANTAS, M. A. R., ROSETTO, Anubis Um Agente pra Tratamento da Desconexão de Dispositivos Móveis Utilizadores de Recursos de Grid Computacional In: 6a Escola Regional de Alto Desempenho, 2006, Ijuí -RS. Forum de Pós-Graduação em PAD - ERAD 2006. v.1. p.101 – 102, 2006.
7. CUNHA, Vinicus, DANTAS, M. A. R. Uma Abordagem de Submissão e Monitoração de Múltiplas Tarefas para Ambientes de Grade Computacional Utilizando Dispositivos Móveis In: XXXIII Seminário Integrado de Software e Hardware, Campo Grande. XXVI Congresso da Sociedade Brasileira de Computação, v.1. p.403 – 417, 2006.
8. DANTAS, M. A. R., PINTO, A R Escalonamento Dinâmico de Tarefas Baseado em Sistemas Classificadores In: Enia - V Encontro Nacional de Inteligencia Artificial, 2005, Sao Leopoldo -RS. Anais do Enia - V Encontro Nacional de Inteligencia Artificial. SBC, v.1. p.494 – 503, 2005.
9. DANTAS, M. A. R., BERKENBROCK, C. D. M. Investigaçao e Implementaçao de Estratégias de Coerência de Cache em um Ambiente de

Computação Móvel sem Fio In: XXXII Seminario Integrado de Software e Hardware, Sao Leopoldo -RS.
Anais do XXXII Seminario Integrado de Software e Hardware. SBC, 2005. v.1. p.1601 – 1615, 2005.

10. DANTAS, M. A. R., PARRA, Alexandre
Seleção de múltiplos recursos em ambientes grid baseada em ontologia In: 4th International Information and Telecommunication Technologies Symposium - I2TS, 2005, Florianopolis. Proceedings of 4th International Information and Telecommunication Technologies Symposium – I2TS, v.1, 2005.
11. DANTAS, M. A. R., BORGES, Vinicus C
Submissão e Monitoração Utilizando Dispositivos Móveis para a Abordagem de Gerenciamento de Workflow em Ambientes de Grids In: WSCAD 2005, 2005, Rio de Janeiro. Anais do VI Workshop em Sistemas Computacionais de Alto Desempenho, v.1. p.213 – 217, 2005.
12. DANTAS, M. A. R., SILVEIRA, E. R.
Uma Abordagem de Monitoração de Tráfego de Rede Utilizando Lógica Difusa In: XXXII Seminario Integrado de Software e Hardware, 2005, Sao Leopoldo -RS. Anais XXXII Seminario Integrado de Software e Hardware. SBC, v.1. p.1631 – 1645, 2005.
13. DANTAS, M. A. R., Underlea Correa, Vitorio Mazzola
Análise Comparativa de Protocolos de Roteamento de Redes Ad -Hoc In: Escola Regional de Redes de Computadores, 2004, Canoas - RS. 2a. Escola Regional de Redes de Computadores, p.149 – 155, 2004.
14. DANTAS, M. A. R., Vitorio Mazzola, Underlea Correa
Análise de Protocolos de Roteamento Wireless em Redes Moveis AD - HOC In: XII ESCOLA REGIONAL DE INFORMATICA SBC - PARANA, 2004, GUARAPUAVA. ANAIS DO ERI 2004 - XII ESCOLA REGIONAL DE INFORMÁTICA. SOCIEDADE BRASILEIRA DE COMPUTAÇÃO -SBC, 2004.
15. DANTAS, M. A. R., PERNAS, A M
APLICAÇÃO DE ONTOLOGIAS NA DESCRIÇÃO DE RECURSOS EM GRIDS COMPUTACIONAIS In: III SIMPÓSIO DE INFORMÁTICA DA REGIÃO CENTRO/RS, 2004, SANTA MARIA -RS. ANAIS DO III SIRC/RS. , 2004.
16. DANTAS, M. A. R., BERKENBROCK, C. D. M.
Estratégias para Coerência de Cache em Ambientes de Computação Móvel In: III Simpósio de Informática da Região Centro/RS, 2004, Santa Maria/RS. Anais do III SIRC/RS. , 2004.
17. DANTAS, M. A. R., Tais Appel Colvero
Portais em Grids Computacionais - Requisição de Serviços e Compartilhamento de Recursos In: III Simpósio de Informática da Região Centro/RS, 2004, Santa Maria/RS. Anais do III SIRC/RS. , 2004.

18. DANTAS, M. A. R., Marcos Jose Sarres
Secure Roaming Wireless: Uma Abordagem de Segurança em Redes Locais 802.11 com Criptografia Forte In: 2a. Escola Regional de Redes de Computadores, 2004, Canoas-RS. 2a. Escola Regional de Redes de Computadores, p.211 – 216, 2004.
19. DANTAS, M. A. R., Fabricia Faria, Vitorio Mazzola
Servidores Móveis em Redes Ad-hoc In: Escola Regional de Redes de Computadores, 2004, Canoas _RS.2a. Escola Regional de Redes de Computadores, p.129 – 134, 2004.
20. DANTAS, M. A. R., C. Rista
Um Protocolo para Comunicação em um Ambiente de Alto-Desempenho e Alta-Disponibilidade In: III Simpósio de Informática da Região Centro/RS, 2004, Santa Maria-RS. Anais do III SIRC/RS. , 2004.
21. DANTAS, M. A. R., PINTO, A R
Uma abordagem de balanceamento de carga baseada em algoritmo de aprendizado de máquina genético In: 5o Workshop em Sistemas Computacionais de Alto Desempenho (WSCAD), 2004, Foz do Iguaçu. Anais do 5o WSCAD, p.145 – 152, 2004.
22. DANTAS, M. A. R., BRASIL, L., ALLEMAND, N.
An Evaluation of Globus and Legion Software Environments In: High Performance Computing Systems and Applications and OSCAR Symposium, 2003, Sherbrooke. Proceedings of HPCS 2003., v.1. p.305 – 310, 2003.
23. DANTAS, M. A. R., OLIVEIRA, A. P.
Análise de Aplicações de Voz em Redes IP In: Escola Regional de Redes de Computadores (ERRC), 2003, Porto Alegre. Anais do 1a. Escola Regional de Redes de Computadores. Porto Alegre: SBC, p.33 – 38, 2003.
24. DANTAS, M. A. R., Adelmo Geronimo Silva
Arquiteturas Híbridas de QoS em Redes IP In: Escola Regional de Redes de Computadores (ERRC), 2003, Porto Alegre. 1a. Escola Regional de Redes de Computadores. Porto Alegre: SBC, p.90 – 95, 2003.
25. DANTAS, M. A. R., ALVARENGA, A. T. H.
Computação Oportunista de Alto Desempenho In: II Ectec -Encontro de Ciência e Tecnologia de Lages, 2003, Lages - SC. Anais do II Ectec. Lages: Uniplac, 2003.
26. DANTAS, M. A. R., HOSKEN, Anderson
Computação Oportunista de Alto-Desempenho: Características, Desafios e Performance In: 2nd International Information and Telecommunication Technologies Symposium, 2003, Florianopolis. Proceedings of I2TS. , 2003.
27. DANTAS, M. A. R., Arlete C D Oliveira
Melhoria de Gerência de um Ambiente de rede TPCI com Auxílio das Facilidades de uma rede de Computadores In: Escola Regional de Redes de Computadores (ERRC), 2003, Porto Alegre. Anais da 1a. Escola Regional de Redes de Computadores. Porto Alegre: SBC,

p.2 -7, 2003.

28. DANTAS, M. A. R., MELO, A., LOPES, G., RAMOS, T. Agentes Móveis - Seu Uso no Auxílio a um Melhor Escalonamento em um Ambiente Paralelo Distribuído In: International Information Technology Symposium, 2002, Florianópolis. Proceeding of I2TS, . v.1. p.1, 2002
29. DANTAS, M. A. R., MELO, A., R.M. Alvim, F.L.L. Grossmann Integração de Alta-disponibilidade e Balanceamento de Carga em Um Ambiente de Cluster In: WSCAD02 - Workshop de Computação de Alto-Desempenho, 2002, Vitória -ES. Anais do III WSCAD 2002, v.1. p.1 – 8, 2002.
30. DANTAS, M. A. R., LOPES, F. M. A. Um Estudo de Agentes Móveis para Escalonamento Distribuído In: I Workshop de Teses e Dissertações em Inteligência Artificial, 2002, Porto de Galinhas - PE. I Workshop de Teses e Dissertações em IA 2002,. v.1. p.1 – 9, 2002.
31. DANTAS, M. A. R., ROSA, R. V., ANTUNES, R. B. K. A. Um Estudo Comparativo de Simuladores WAP e seu USo para uma Aplicação de Acesso a Banco de Dados In: IV Workshop em Internet, Linux e Aplicações, 2001, S.J. Do Rio Preto – SP.. Anais da XII Semana da Computação da Unesp. , 2001.
32. DANTAS, M. A. R., LEITE, M., GONCALVES, K. Ambiente Linux Paralelo de Banco de Dados In: III Workshop in Internet, Linux e Aplicações, 2000, S.J. Rio Preto. Anais do IX Semac - Unesp. , 2000.
33. DANTAS, M. A. R., MESQUITA, F. I., PASCOAL, A. V. Estudo Comparativo entre um Protocolo Lightweight de Transporte e o TCP para Aplicações de Transferência de Arquivos e Multicast In: III Workshop em Internet, Linux e Aplicações, 2000, S.J. Rio Preto. Anais do IX Semac - Unesp. , 2000.
34. DANTAS, M. A. R., F, M. Quality of Service on Linux In: III Workshop em Internet, Linux e Aplicações, 2000, S.J. Rio Preto. Anais do IX SEMAC. , 2000.
35. DANTAS, M. A. R. XTP: Um Protocolo de Transporte para Redes de Alto Desempenho In: 5 Congresso de Informática e Telecomunicação da Petrobrás, 1999, Rio de Janeiro, 1999.
36. DANTAS, M. A. R. Balanceamento de Carga em Ambiente MPI Distribuído In: X Simpósio Brasileiro de Arquitetura de Computadores e Computação de Alto-Desempenho, 1998, Búzios. Anais do X Simpósio Brasileiro de Arquitetura de Computadores e Computação de Alto-Desempenho, p.49 – 60, 1998.
37. DANTAS, M. A. R. Conectividade em um Ambiente Gráfico In: Conferência da SUCESU, 1990, Rio de Janeiro. Anais da Conferência da SUCESU 1990. Rio de Janeiro: SUCESU, 1990.

38. DANTAS, M. A. R.
Configuração de uma Rede CAD/CAE In: ABUSI'89, 1989, São Paulo.
Anais da ABUSI'89. São Paulo: Sisgraph, 1989.
39. DANTAS, M. A. R.
Implantação de uma Rede Multiprotocolo In: ABUS'88 - Associação dos Usuários
Sisgraph- Intergraph, 1988, Rio de Janeiro.
Anais do ABUSI'88. São Paulo: SISGRAPH, 1988.