

# Alisson Soares Limeira Pontes

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## EDUCATION

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- Master's Candidate in Computer Science  
Institute of Computing, University of Campinas, Brazil  
Advisor: Nelson Luis Saldanha da Fonseca.
- Bachelor in Computer Engineering, 2009  
Department of Computing and Systems, University of Pernambuco, Brazil  
Advisor: Renato Mariz de Moraes
  - Average grade 8.2 / 10

## RESEARCH INTERESTS

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- Computer Networks and Telematics
- Optical Networking
- Wireless Ad hoc Networks
- Peer-to-peer (P2P) systems and overlay networks

## WORK HISTORY

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### **Institute of Computing of University of Campinas – IC/UNICAMP, Brazil**

- Researcher at Computer Networks Lab  
**Subject:** Inter-domain Dynamic Traffic Grooming in Optical WDM Mesh Networks  
Funded by FAPESP  
Since August/2009.
- Teaching Assistant  
**Subject:** Algorithms and Computer Programming  
August/2010 – December/2010.

### **Department of Computing and Systems of University of Pernambuco – DSC/UPE, Brazil**

- Researcher at Computer Networks Research Group  
**Subject:** Mobility Models for Wireless Ad Hoc Networks  
Funded by CNPq/FACEPE  
October/2007 – July/2009.
- Teaching Assistant in Concurrency course  
Professor responsible: Cristine Martins Gomes de Gusmão  
August/2007 – November/2007 .
- Researcher at Patterns Recognition Research Group, Funded by PIBIC/POLI  
**Subject:** Optical Handwritten Character Recognition in Historical Documents  
October/2006 – September/2007.

### **Federal Service for Data Processing – SERPRO, Brazil**

- Trainee of the Specialized Center for Linux and Virtualization  
New Techniques and tools for internal flow of information  
December/2007 – May/2008.

### **Poli Junior Engineering, Brazil**

- Vice-chairman  
**Responsibilities:** Establish broad policies and objectives  
December/2006 – November/2007.

## Technique University Ilmenau, Germany

- Visiting Researcher at Telematics and Computer Networks Research Group  
**Subject:** Modeling Overlay Networks for P2P Cooperative Streaming  
Funded by DAAD (*Deutscher Akademischer Austausch Dienst*)  
June/2007 – August/2007.

## PUBLICATIONS

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1. Renato M. de Moraes, Fagner P. De Araújo and Alisson S. L. Pontes. **A Proposal to Stabilize The Random Waypoint Mobility Model for Ad Hoc Networks Simulation.** In *IEEE Wireless Communication & Networking Conference*, Sydney, Australia, 2010.
2. Rogério T. Silva, Alisson S. L. Pontes, Renato M. de Moraes, **Estabilizando o Modelo de Mobilidade Random Waypoint através da Função BETA(2,1) para Escolha da Velocidade dos nós em Redes Ad Hoc Sem Fio.** In *International Information and Telecommunication Technologies Systems*, Florianópolis – SC, 2009.
3. Alisson S. L. Pontes, Renato M. de Moraes. **Distribuição de Probabilidade Beta( $\alpha,\beta$ ) para Estabilizar o Modelo de Mobilidade Random Waypoint em Redes Ad Hoc.** In *Workshop de Iniciação Científica PIBIC/FACEPE*, 2009.
4. Alisson S. L. Pontes, Renato M. de Moraes. **Análise de Estabilidade do Modelo de Mobilidade Random Waypoint em Redes Ad Hoc utilizando o Jist/Swans.** *Trabalho de Conclusão de Curso, Escola Politécnica da Universidade de Pernambuco*, 2009.
5. Renato M. de Moraes, Fagner P. de Araújo e Alisson S. L. Pontes, **Uma Proposta para Estabilizar o Modelo de Mobilidade Random Waypoint em Redes Ad Hoc Sem Fio.** In *Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos*, 2009.
6. Alisson S. L. Pontes, Adriano, L. I. Oliveira; **Reconhecimento Óptico de Caracteres Manuscritos em Documentos Históricos.** In *Workshop de Iniciação Científica PIBIC/POLI*, 2007.

## SCIENTIFIC MEETINGS

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- International Workshop: New Architectures for Future Internet, CPqD Campinas, 2009.
- Scientific Initiation FACEPE's Workshop, 2009.
- Brazilian Symposium on Computer Networks and Distributed Systems, 2009.
- Informatics Students National Congress, 2008.
- 2nd Pernambuco's Free Software Meeting, 2008.
- XI Iberoamerican Workshop of Requirements Engineering and Software Environments, 2008.
- Scientific Initiation POLI'S Workshop, 2007.
- VI Computer Engineering Seminar: Informatics and Business, 2007. Department of Computing and Systems – DSC/UPE
- IX Brazilian Symposium on Programming Languages, 2005.

## LANGUAGES (mother-tongue portuguese)

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**English** – Reading Good  
Writing Good  
Speaking Good  
Listening Good

**Spanish** – Reading Good  
Writing Good  
Speaking Good  
Listening Good

## REFERENCES

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Nelson Luis Saldanha da Fonseca, Ph.D.  
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Renato Mariz de Moraes, Ph.D.  
renatomdm@unb.br | <http://www.pgea.unb.br/~renatomdm>

Cristine Maria Gomes de Gusmão, Ph.D.  
cristine.gusmao@nutes.ufpe.br | <http://www.cin.ufpe.br/~promise/cmgg>