Vinícius Prado da Fonseca

CONTACT
INFORMATION

E-mail: vncprado@gmail.com   *Mobile:* +1 613 866 7744
University of Ottawa
800 King Edward Ave University of Ottawa
Ottawa, ON CAN

AREAS OF
INTEREST

Artificial Inteligence, Artificial Neural Netoworks, Smart House, Wireless Sensor Networks.

ACADEMIC
FORMATION

uOttawa - University of Ottawa, Ottawa, ON CAN

- Doctor of Philosophy, Electrical and Computer Engineering, Fall 2014 [on going]
  - PhD Thesis: *TBD*
  - Supervisor: Professor Emil M. Petriu, Ph.D.
  - Fields: Control, Sensors.

IME - Military Institute of Engineering, Rio de Janeiro, RJ BRA

Master of Science, Systems and Computing, Jun 2013

- Master thesis: *Location system to support a domestic assistant robot using RSS and ZigBee.*
- Supervisor: Professor Paulo Fernando Ferreira Rosa, Ph.D.
- Field: Smart Environments, Wireless Sensor Networks.

UFT - Federal University of Tocantins, Palmas, TO BRA

Bachelor of Science, Computer Science, December 2010

- Final Project: *People Recognition by the Step Sounds Using ART Type Self-Organizing Neural Networks.*
- Supervisor: Professor Rafael Lima de Carvalho, M.Sc.
- Field: Artificial Intelligence, Smart Environments, Neural Networks.

ACCEPTED
PAPERS

FONSECA, V. P. ; Rosa, P.F.F. PROTOCOLO DE COMUNICAÇÃO PARA LOCALIZAÇÃO DE OBJETOS NA CASA INTELIGENTE. 2014. Revista Militar de Ciência e Tecnologia, RMCT 2014.

FONSECA, V. P. ; Rosa, P.F.F. Indoors Object Location Protocol in a Smart Home. 2013. 39th Annual Conference of the IEEE Industrial Electronics Society, IECON 2013.

PUBLISHED
PAPERS

FONSECA, V. P. ; Rosa, P.F.F. Tracking Objects in a Smart Home. 2013. BRICS - CCI - Applications in Defense Systems Symposium, CBIC 2013.

COMPLEMENTAR
FORMATION

Paralell Programming with OpenCL e OpenACC. 2013.
National Laboratory of Scientific Computing. (Course Load: 12h).

PROFESSIONAL
EXPERIENCE

National Laboratory of Scientific Computing, Petrópolis, RJ BRA

Researcher 2014-02 - 2014-08

- Research in Massively Parallel Processors
- Research, Programming
- week working hours: 18

Laboratory of Applied Computational Intelligence, Rio de Janeiro, RJ BRA

Web Development 2013-09 - 2014-05

- Software Developer, Scheme: full time
- Programming, Web development
- week working hours: 40

ORAL PRESENTATIONS	**Project NVant Workshop - FUNPEC** 2012. (Seminar) Workshop N-VANT Communication and telemetry in the project UAV - IME.
	II Academic Week of Computer Science, 2008. (Seminar)
	SL100Limites. National Week of Computer Science 2008. Science and Open Source Software.
	Django, Agile Web Development 2008.
CONFERENCE SERVICE	**FISL - 9th International Free Software Forum.** 2008. Theme Coordinator: - Proposal of a Methodology for Software Migration to Free Software Owner Focused User.
EVENT PARTICIPATION	**Viva o Linux Day III (VOL Day III)**, 2012. Arduino as a Mechanism for an unmanned aircraft control.
	Project NVant Workshop - FUNPEC, 2012. Workshop N-VANT Communication and telemetry in the project UAV - IME.
	XI ENCOINFO - Students Meeting of Tocantins Informatics, 2009.
	II Academic Week of Computer Science, 2008.
	JavaTOday e NetBeansTOday Meeting, 2008. (Encontro)
	IV South American Conference on Science and Technology Applied to Electronic Government, 2007. (Conference)
LANGUAGES	Portuguese - Native.
	English - Understands Well, Speaks Reasonably, Read Well, Write Well.
	Espanhol - Understands Reasonably, Reasonably Reads.
SOFTWARES AND HARDWARE SKILLS	Programming Languages: • C, C++, Python, Java, C#, UNIX shell scripting, JavaScript, SQL, MATLAB, Octave. • Arduino Hardware Prototyping Platform.
	Computer Networking: • Networks (UDP, TCP, ARP, DNS, Dynamic routing), Linux Servers (Apache, SQL, POP, IMAP, SMTP). • Wireless Networks (XBee, ZigBee radio modules).
	Productivity: • TeX (LaTeX, BibTeX, PSTricks). • Libre/MS Office Suites.
	Operating Systems: • Linux, Microsoft Windows, BSD, e other Unix variants.
CONTACT REFERENCES	**Paulo Fernando Ferreira Rosa - Ph.D.** e-mail: rpauloime@gmail.com Phone Number: +55 21 3820-4197 • Professor, Military Institute of Engineering, Defense Engineering Section ⋄ Praça General Tibúrcio 80, Praia Vermelha 22290-270 - Rio de Janeiro, RJ - Brasil ⋆ *Professor Paulo Rosa was my Masters advisor.*