

CONTACT INFORMATION	Florianópolis, SC Brazil	Mobile: +55-48-99091938 E-mail: boechat107@gmail.com WWW: sites.google.com/site/andreboechatpersonal
EXPERIENCE	<p>Neoway Business Solutions, Florianópolis, SC, Brazil</p> <p>Research & Development, Programmer December 2011 to Present</p> <ul style="list-style-type: none"> Machine learning techniques for: <ul style="list-style-type: none"> image processing and classification data mining <p>Federal University of Santa Catarina, Florianópolis, SC, Brazil</p> <p>R&D Project DAS-UFSC/CENPES-Petrobras March 2010 to Present</p> <ul style="list-style-type: none"> Condition based maintenance Signal processing Fault detection On-line monitoring system of well sensors <p>Federal University of Espírito Santo, Vitória, ES, Brazil</p> <p>Intern at Intelligent Control Laboratory September 2008 to February 2010</p> <ul style="list-style-type: none"> Oscillation detection in control loops Fault detection of control valves LabView <p>Institutional Programs of Scientific Initiation July 2007 to October 2008</p> <ul style="list-style-type: none"> Numeric simulation of petroleum reservoir using the LibMesh <p>Intern at PET Engenharia de Computação March 2006 to August 2008</p> <ul style="list-style-type: none"> Involved actively on research, education and voluntary work activities Organization of scientific and student events Participation in local and national conferences 	
EDUCATION	<p>Federal University of Santa Catarina, Florianópolis, SC, Brazil</p> <p>M.S., Automation and System Engineering, 2010 – 2012 (expected)</p> <ul style="list-style-type: none"> Topics: signal processing, fault detection and isolation, empirical modeling based on historical data, sensor drift R&D scholarship 1 paper published at international workshop on automatic control of offshore oil and gas production <p>Federal University of Espírito Santo, Vitória, ES, Brazil</p> <p>B.S., Computer Engineering, 2005 – 2009</p> <ul style="list-style-type: none"> PET scholarship Program of Scientific Initiation (PIVIC) Participation in 2 research projects 1 paper published and presented at international congress on computational methods in engineering 1 paper published at international conference on industry applications 	
PUBLICATIONS	<p>[1] Boechat, Andre A.; Moreno, Ubirajara F.; Haramura, Decio, Jr., “On-Line Calibration Monitoring System Based on Data-Driven Model for Oil Well Sensors,” in Proceedings of the IFAC Workshop on Automatic Control in Offshore Oil and Gas Production, Trondheim, Norway, 2012, pp. 269–274.</p>	

- [2] BOECHAT, A. A., MORENO, U. F. and TEIXEIRA, A. F. . PROPOSTA DE UMA ARQUITETURA DE MONITORAMENTO BASEADO NA CONDIÇÃO PARA APLICAÇÃO EM UNIDADES MARÍTIMAS DE PRODUÇÃO. VI Congresso Rio Automação, 2011, Rio de Janeiro. VI Congresso Rio Automação, 2011.
- [3] MUNARO, C. J. and BOECHAT, A. A. . Ambiente computacional baseado em Labview para detecção de oscilações em malhas de controle. IX Induscon - 2010 9th IEEE/IAS International Conference on Industry Applications, 2010, São Paulo. 2010 9th IEEE/IAS International Conference on Industry Applications, 2010.
- [4] BOECHAT, A. A. and VALLI, A. M. P. . Funcionalidades da biblioteca LibMesh na resolução de escoamento de fluidos pelo método dos elementos finitos. Congresso Ibero-Latino-Americano de Métodos Computacionais em Engenharia, 2009, Armação de Búzios. CILAMCE 2009 - Congresso Ibero-Latino-Americano de Métodos Computacionais em Engenharia, 2009.

SKILLS

Computer Programming Languages:

- C, C++, Clojure, Java, Lisp, Matlab, Octave, Haskell

Machine Learning and Statistics:

- linear regression, kernel regression, Support Vector Machines (SVM), clustering, statistical estimation, statistical detection

Instrumentation, Control, Data Acquisition, Test, and Measurement:

- [Simulink](#), [LabVIEW](#)

Circuit Description:

- VHDL

Version Control:

- Git, SVN

Productivity Applications:

- \LaTeX (\LTeX , \BibTeX), Vim

Operating Systems:

- Linux

AWARDS

[Postgraduate program in Automation and Systems Engineering](#)

- R&D Scholarship

[Federal University of Espírito Santo](#)

- Scholarship

LANGUAGES

Portuguese

- Native

English

- Reading: very good
- Writing: good
- Speaking: poor