Currículo **Lattes**

Flávia Rodrigues Pinheiro

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Resumo informado pelo autor

Graduation in Meteorology from the Federal University of Rio de Janeiro (2001). Masters in Atmospheric Sciences from Instituto Alberto Luiz Coimbra of Postgraduation and Engineering Research - COPPE (2006). Currently doing a PhD on Data Assimilation in nonlinear models at the University of Reading. Works since 1998 at Brazilian Navy, with weather forecast and at numerical modelling and data assimilation department. Has experience in Geosciences, focusing on Meteorology, acting on the following subjects: data assimilation, numerical modelling, weather forecast, Antartic meteorology, fog and boundary layer.

(Text informed by the author)

Personal Information

Full name	Flávia Rodrigues Pinheiro
Parental information	Jorge Ramos Pinheiro and Carmen Lucia Rodrigues Pinheiro
Birth information	10/05/1979 - Rio de Janeiro/RJ - Brazil
Identification document	6491197 MB - RJ - 10/05/2005
CPF Number	053.015.457-95

Formal Education

2014   Doctorate in PhD in Atmosphere, Oceans and Climate.
University of Reading, UR, Reading, England
Advisor: Peter Jan Van Leeuwen
Knowledge areas : ASSIMILAÇÃO DE DADOS

2003 - 2006   Master's in Ciências Atmosféricas.
Instituto Alberto Luiz Coimbra de Pós-Graduação e Pesquisa de Engenharia, COPPE, Rio De Janeiro, Brazil
Title: Previsão de Eventos de Nevoeiro Utilizando o Modelo Cobel, Year of degree: 2006

Advisor: Luiz Landau
Co-orientador: Audalio Rebelo Torres Junior
Knowledge areas : Meteorology

1997 - 2001   Graduation in Meteorologia.
Universidade Federal do Rio de Janeiro, UFRJ, Rio De Janeiro, Brazil
Title: Estudo de ocorrência de dutos de evaporação na região oceânica ao largo do Estado do Rio Grande do Sul
Advisor: Audalio Rebelo Torres Junior

Complementary Education

2017 - 2017   Short Term Course in FORTRAN Modernization. (Carga horária: 17h).
University of Reading, UR, Reading, England

2016 - 2016   Short Term Course in EUMETSAT/ECMWF NWP-SAF Satellite data assimilation. (Carga horária: 25h).
European Centre for Medium-Range Weather Forecasts, ECMWF, England

2016 - 2016   Short Term Course in Software Development for Environmental Scientists. (Carga horária: 40h).
University of Reading, UR, Reading, England

2014 - 2014   Short Term Course in Data assimilation and visualisation in environment. (Carga horária: 40h).
University of Reading, UR, Reading, England

2012 - 2012   Short Term Course in Redes Linux I e II. (Carga horária: 72h).
NSI Training, NSI, Brazil

2012 - 2012   Short Term Course in Sistemas Linux I e II. (Carga horária: 48h).
NSI Training, NSI, Brazil

2012 - 2012   Short Term Course in Fundamentos de Sistemas Linux. (Carga horária: 24h).
NSI Training, NSI, Brazil

2011 - 2011   Short Term Course in Weather Research & Forecasting Model (WRF). (Carga horária: 24h).
Instituto Alberto Luiz Coimbra de Pós-Graduação e Pesquisa de Engenharia, COPPE/UFRJ, Brazil

2011 - 2011   Short Term Course in Curso Sensor. Remoto e Modelagem de Precipitação. (Carga horária: 30h).
Universidade Federal do Rio de Janeiro, UFRJ, Rio De Janeiro, Brazil

2010 - 2010   Short Term Course in Tecnologia de Redes & TCP/IP. (Carga horária: 8h).
NSI Training, NSI, Brazil

2009 - 2009   Short Term Course in The Ocean-Land-Atmosphere Model (OLAM). (Carga horária: 40h).
Laboratório Nacional de Computação Científica, LNCC, Petropolis, Brazil

2009 - 2009   Short Term Course in Programação para Modelagem e Simulação Científica. (Carga horária: 18h).
Laboratório Nacional de Computação Científica, LNCC, Petropolis, Brazil

2008 - 2008   Short Term Course in GraDS. (Carga horária: 20h).
Centro de Previsão de Tempo de Estudos Climáticos, CPTEC, Brazil

2008 - 2008   Short Term Course in Curso Intensivo de Asimilación de Datos. (Carga horária: 80h).
Universidade de Buenos Aires, UBA, Buenos Aires, Argentina

2003 - 2003   Short Term Course in Introdução às Redes Neurais Artificiais. (Carga horária: 6h).
Universidade Federal do Rio de Janeiro, UFRJ, Rio de Janeiro, Brazil

2003 - 2003	Short Term Course in Sistema de Visualização VISUAL WEATHER. (Carga horária: 64h). Instituto Nacional de Meteorologia - 5o. Distrito, 5o. DISME/INMET, Belo Horizonte, Brazil
2002 - 2002	Short Term Course in Linux Conect 6.0 - Básico - Prático. (Carga horária: 16h). Universidade Estácio de Sá, UNESA, Rio De Janeiro, Brazil
2001 - 2001	Short Term Course in Fortran 90. (Carga horária: 30h). Universidade Federal do Rio de Janeiro, UFRJ, Rio De Janeiro, Brazil
2001 - 2001	Short Term Course in Interpretação de Imagens e Análise Meteorológica. (Carga horária: 80h). Universidade do Vale do Paraíba, UNIVAP, Sao Jose Dos Campos, Brazil

Professional Experience

1. Centro de Hidrografia da Marinha - CHM

Contract institutional

| 1997 - 2014 | Contract: Servidor público , Position: Capitao-Tenente , Working hours (weekly): 40, Schemes of job: Full-time and exclusiveness |

Areas of Expertise

1. Meteorology
2. Micrometeorology
3. ASSIMILAÇÃO DE DADOS
4. MODELAGEM ATMOSFÉRICA
5. Meteorologia Antártica

Languages

English	Understanding Fluent , Speaking Fluent , Writing Fluent , Reading Fluent
Español	Understanding Fluent , Speaking Fluent , Writing Fluent , Reading Fluent
Français	Understanding Fluent , Speaking Fluent , Writing Fluent , Reading Fluent
Italian	Understanding Basic , Speaking Basic , Reading Basic
Chinese	Speaking Basic , Writing Basic

Awards

2016	Poster Presentation Honorable Mention 2016, University of Reading - Department of Meteorology
2016	RMetS Student Conference Best Presentation Award, Royal Meteorological Society
2013	Hidrógrafo Honorário, Diretoria de Hidrografia e Navegação

S, T & A Production

Bibliographic Production

Articles Published in Scientific Journals

1. FARIAS, W. C. M.; **PINHEIRO, F. R.**; MARTON, E.; PIMENTEL, L. C. G.
Ocorrências de nevoeiro na cidade do Rio de Janeiro no período de 2003-2007. Ciência e Natura. , v.Ed Esp, p.177 - 180, 2009.
Knowledge areas : Micrometeorology

2. **PINHEIRO, F. R.**; VIEIRA, A. C. M.; NEVES, A. P. C.
O fenômeno Catarina sob o ponto de vista do Serviço Meteorológico Marinho. Boletim da Sociedade Brasileira de Meteorologia. , v.29, p.5 - 10, 2005.
Knowledge areas : Synoptic Meteorology

3. **PINHEIRO, F. R.**; ALMEIDA, Ricardo C. de .
Estudo de ocorrência de dutos de evaporação na região oceânica ao largo do Estado do Rio Grande do Sul. Ciência e Natura. , v.Esp., p.21 - 44, 2002.
Knowledge areas : Interaction between Ocean and Atmosphere

Articles published in annals of events (complete)

1. **PINHEIRO, F. R.**; PONTES, A. L.; CRUZ, L. M.; GADELHA, A. A. L.
Impact of parameterizations of boundary and superficial layer on the wind fields and precipitation rates over the Atlantic ocean using WRF model In: VI Congreso Cubano de Meteorología, 2011, Havana.
VI Congreso Cubano de Meteorología - Memorias. , 2011.
Knowledge areas : MODELAGEM ATMOSFÉRICA

2. **PINHEIRO, F. R.**; PETERSON, R. G.; FARIAS, W. C. M.
NUMERICAL STUDY OF FOG EVENTS ALONG RIO DE JANEIRO COAST, USING THE MM5 MODEL COUPLED WITH THE UNIDIMENSIONAL MODEL COBEL In: 8 th International Conference on Southern Hemisphere Meteorology and Oceanography - 8 ICSHMO, 2006, Foz do Iguaçu.
Proceedings of 8ICSHMO. , 2006. p.1935 - 1944

3. **PINHEIRO, F. R.**
Analysis of physical parameters on the simulation of a unidimensional model for fog forecasting In: XIII Congresso Brasileiro de Meteorologia, 2004, Fortaleza.
Anais do XIII Congresso Brasileiro de Meteorologia. , 2004.

4. **PINHEIRO, F. R.**; ALMEIDA, Ricardo C. de .
Study of evaporation ducts occurrence over the oceanic region near Rio Grande do Sul state In: XII Congresso Brasileiro de Meteorologia, 2002, Foz do Iguaçu.
Anais do XII Congresso Brasileiro de Meteorologia. , 2002. p.1832 - 1846

Articles published in annals of events (summary)

1. ⭐ PINHEIRO, F. R.; VAN LEEUWEN, P. J.
   Exploring synchronisation in nonlinear data assimilation In: European Geosciences Union (EGU) General Assembly 2016, 2016, Vienna.
   Geophysical Research Abstracts. Göttingen, Alemanha: Copernicus Publications, 2016. v.18. p.12664 - 12664

2. PINHEIRO, F. R.
   Catarina: Extratropical cyclone or a hurricane? In: X International South Atlantic Buoy Programme Meeting, 2004, Arraial do Cabo.
   ISABP X Technical session abstracts. , 2004.

Techinical Production

Other technical productions

1. PINHEIRO, F. R.
   GEMPAK, 2010. (Continuing education, Short Term Course Taught)
   Knowledge areas : Synoptic Meteorology

Orientações e Supervisões

Academic Advisory

Academic Advisory - concluded

Course Conclusion Paper

1. ⭐ William Cossich Marcial de Farias. **Study of fog occurrence at Rio de Janeiro**. 2009. Course (Meteorologia) - Universidade Federal do Rio de Janeiro
   Knowledge areas : Synoptic Meteorology

Scientific Initiation

1. WILLIAM COSSICH MARCIAL DE FARIAS. **Wind field analysis in foggy days at Rio de Janeiro**. 2008. Scientific Initiation - Universidade Federal do Rio de Janeiro
   Knowledge areas : Micrometeorology

2. WILLIAM COSSICH MARCIAL DE FARIAS e RACHEL GIGLIO PETERSON. **Synoptic analysis and statistical verification of wind field behavior in days of fog occurrence at Rio de Janeiro**. 2007. Scientific Initiation (Meteorologia) - Universidade Federal do Rio de Janeiro

3. RACHEL GIGLIO PETERSON e WILLIAM COSSICH MARCIAL DE FARIAS. **Numerical study of fog events at Guanabara Bay using model MM5 and the unidimensional model COBEL**. 2005. Scientific Initiation (Meteorologia) - Universidade Federal do Rio de Janeiro

4. RACHEL GIGLIO PETERSON,LUCIO HENRIQUE DAOU R DE AZEVEDO. **use of numerical models MM5 and COBEL for fog prediction at Rio de Janeiro**. 2004. Scientific Initiation (Meteorologia) - Universidade Federal do Rio de Janeiro

Other Advisory Activities

1. RACHEL GIGLIO PETERSON e THAÍS MURATORI DE ALENCASTRO GRAÇA. **Statistical verification and analysis of meteorological parameters related to mist and fog forecasting at Rio de Janeiro coast**. 2004. Other Advisory Activities (Meteorologia) - Universidade Federal do Rio de Janeiro

Eventos

Eventos

Participation In Events

1. Presentation of Poster / Painel no(a) **EGU General Assembly 2016**, 2016. (Other)
   Exploring synchronisation in nonlinear data assimilation.

2. Presentation of Poster / Painel no(a) **International Symposium on Data Assimilation**, 2016. (Symposium)
   Exploring synchronisation ideas in nonlinear data assimilation.

3. Presentation of Poster / Painel no(a) **NCEO Researchers' Forum**, 2016. (Other)
   Exploring synchronisation ideas in nonlinear data assimilation.

4. Presentation of Poster / Painel no(a) **NCEO Science Conference**, 2016. (Other)
   Exploring synchronisation in nonlinear data assimilation.

5. Apresentação Oral in **Quo Vadis - Department of Meteorology**, 2016. (Other)
   Exploring synchronisation ideas in non-linear data assimilation.

6. Presentation of Poster / Painel no(a) **RMET SE Local Centre Meeting**, 2016. (Meeting)
   An efficient smoother: the Ensemble Synchronisation.

7. Apresentação Oral in **Royal Meteorological Society Student Conference**, 2016. (Other)
   Exploring synchronisation in nonlinear data assimilation.

8. Presentation of Poster / Painel no(a) **SCENARIO NERC Doctoral Training Partnership Conference**, 2016. (Other)
   Exploring synchronisation in nonlinear data assimilation.

9. Apresentação Oral in **Royal Meteorological Society Student Conference**, 2015. (Other)
   Exploring synchronisation ideas in nonlinear data assimilation.

Citations

Outras	
Number of articles: 1	**Total of citations**: 1
Stavroula Stolaki	

Other Relevant Information

1   Associada 'a Royal Meteorological Society em 2015 e 2016.
    Associada 'a European Geosciences Union desde 2016.
    Membro do National Centre for Earth Observation (NCEO) desde 2014.
    Membro do Data Assimilation Research Centre (DARC) como Research Student desde 2014.

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