

# Curriculum vitæ et studiorum

Carlo Perrone

## 1 General data

### Personal details

- Born in Roma (Italy), on November the 2<sup>nd</sup>, 1980
- Italian citizenship
- Unmarried

### Present position

Post Doc fellowship by the Centre National de la Recherche Scientifique (CNRS) at the Institut de Mathématiques de Bourgogne (IMB), Université de Bourgogne, Dijon (France), from November the 1<sup>st</sup>, 2009 to October the 31<sup>th</sup>, 2010.

### Contacts

#### *Work address*

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#### *Home address*

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## 2 Institutional education

### *Master degree in Mathematics*

Degree achieved at Università di Roma “La Sapienza” on Sept. the 28<sup>th</sup>, 2004

Thesis *Curvatura di Ricci in geometria riemanniana*

Supervisor prof. S. Marchiafava

Subject: Differential geometry

Graduation 110/110 cum laude

### *Ph. D. degree in Mathematics*

Degree achieved at Università di Roma “Tor Vergata” on October the 30<sup>th</sup>, 2008

Thesis defended at Università di Roma “Tor Vergata” on March the 14<sup>th</sup>, 2008

Thesis *Extendable cohomologies for complex analytic varieties*

Supervisor prof. F. Bracci

Subjects: Complex analysis, Algebraic topology, Differential geometry

## 3 Some work data

### Key words

Complex geometry and analysis, (spaces of) Holomorphic foliations, Algebraic and differential geometry, Characteristic classes of vector bundles (and their localizations), Cohomology.

### Publications

· P. C.; *Extendable cohomologies for complex analytic varieties*;

Ph. D. thesis, supervisor prof. F. Bracci (see at <http://web.uniroma2.it/>)

· P. C. ; *Extendable cohomologies for complex analytic varieties*;

Mathematische Annalen **345** (1) (2009), pp. 83-132,

DOI 10.1007/s00208-009-0343-7 (see at <http://arxiv.org/abs/0711.1823>)

· Pereira J.V., P. C. ; *Germes of integrable forms and varieties of minimal degree*;

Bulletin des Sciences Mathématiques **134** (1) (2010), pp. 1-11,

DOI 10.1016/j.bulsci.2009.09.005 (see at <http://arxiv.org/abs/0907.4358>)

· Brunella M., P. C.; *Exceptional singularities of codimension one holomorphic foliations*;

submitted to Publicacions Matemàtiques, 2010

## Courses and workshops

- Summer school *Real P.D.E.'s for Complex and CR-Geometry*  
Trento (Italy), July 17-29, 2005
- Conference *Complex Analysis and Geometry – XVIII*  
Levico Terme (Italy), May 28-June 1, 2007
- Conference *Holomorphic Iteration, Semigroups and Loewner Chains*  
Roma (Italy), September 9-12, 2008
- Conference *Primeira Joga na UFF: Jornadas de Geometria Algébrica*  
UFF, Niteroi (Brazil), March 11-12, 2009
- Conference *Geometria das Equações Diferenciais Complexas*  
IMPA, Rio de Janeiro (Brazil), May 6-8, 2009
- Conference *Complex Analysis and Geometry - XIX*  
Levico Terme (Italy), June 1-5, 2009
- Congress *27º Colóquio Brasileiro de Matemática*  
IMPA, Rio de Janeiro (Brazil), July 27-31, 2009
- Summer school *Uniformisation de Familles de Variétés Complexes*  
IMB, Dijon (France), August 31-September 11, 2009
- Conference *Surfaces Complexes et Feuilletages*  
ENS, Lyon (France), January 18-22, 2010
- Conference *Variétés Complexes et Feuilletages*  
IRMA, Strasbourg (France), June 7-10, 2010
- Congress *Singularities and Foliations*  
IMT, Toulouse (France), June 21-25, 2010

## Talks

- *Extendable cohomologies for complex analytic varieties*  
at Primeira joga na UFF: Jornadas de geometria algébrica,  
UFF, Niteroi (Brazil) March the 11<sup>th</sup>, 2009
- *Germes de formas integrais e variedades de grau minimo*  
at Geometria das equações diferenciais complexas,

IMPA, Rio de Janeiro (Brazil), May the 6<sup>th</sup>, 2009

· *Sulla definizione dei fibrati estendibili*  
at Seminario di topologia algebrica e differenziale,  
Università di Roma “La Sapienza”, Roma (Italy), June the 8<sup>th</sup>, 2009

· *Integrable 1- forms and varieties of minimal degree*  
at Séminaire algèbre-géométrie-topologie,  
IMB, Dijon (France), December the 3<sup>rd</sup> 2009

· *On the space of codimension one holomorphic foliations*  
at Séminaire géométrie algébrique,  
IRMA, Strasbourg (France), April the 29<sup>th</sup> 2010

## Visiting

- Niigata University, Niigata (Japan), February 2006
- Niigata University, Niigata (Japan), September - November 2006
- IMPA, Rio de Janeiro (Brazil), November 2008 - October 2009
- IMB, Université de Bourgogne, Dijon (France), November 2009 - October 2010

## Grant and awards

- Winner of competitive exam for Ph. D. position in Mathematics (XX cycle) and respective scholarship by the Italian Ministry of Education and Research at Università di Roma “Tor Vergata”
- Winner of competitive exam for Ph. D. position in Mathematics (XX cycle) at Università di Roma “La Sapienza”
- Junior Post Doc fellowship by CNPq at IMPA (Brazil)
- Post Doc fellowship by CNRS at IMB, Université de Bourgogne (France)

## Teaching activities

Teaching assistantship for the following courses:

- *Analysis 3*, Faculty of Science, Università di Roma “Tor Vergata”, a.y. 2004-2005 (II sem.), Prof. C. D’Antoni
- *Analysis III*, Faculty of Engineering, Università di Roma “La Sapienza”, a.y. 2007-2008 (II sem.), Prof. R. Schianchi

· *Analysis III*, Faculty of Engineering, Università di Roma “La Sapienza”, a.y.  
2007-2008 (II sem.), Prof. L. Moschini

## Languages

- Italian (native speaker)
- English (good knowledge)
- French (middle knowledge)
- Portuguese (middle knowledge)