

CURRICULUM VITAE

PERSONAL INFORMATION

Name **ALBERTO DAMIANO**

• TEACHING QUALIFICATION

• Course

University of Genova, Italy , 2012-2013
Tirocinio Formativo Attivo (TFA) I cycle – Teaching licence for Mathematics and Physics (A027)
Final grade: 96/100, Thesis: Solution of quadratic inequalities.

• GRADUATE

• Title of qualification pursued

• Dissertation title

George Mason University, Fairfax VA, USA; 2002-2005
PhD in Mathematics, obtained January 14th 2006
[Computational Approach to some Problems in Algebraic Analysis](#)

• UNDERGRADUATE

• Degree

• Thesis title

University of Genova, Italy , 1997 – 2001
Laurea in Matematica [Master in Mathematics], November 21st 2001, grade 110/110 cum laude
Applicazioni dell'algebra computazionale allo studio di alcuni operatori differenziali

• HIGH SCHOOL EDUCATION

• Degree

Liceo Scientifico "G. Saccheri", Sanremo ; 1992 – 1997
Diploma di maturità scientifica [Scientific studies High School diploma] final grade: 60/60

WORK EXPERIENCE

September 2021 – present

Professor of Maths and Physics (A027) at Liceo G.D.Cassini (Sanremo, IM) - permanent faculty

Academic Years 20/21, 21/22, 22/23

Contract professor at University of Genoa – teaching assistant for Mathematics courses

September 2014 – August 2021

Head of School – [Deledda International School](#), part of [FULGIS](#)

September 2011 – August 2021

IB Mathematics teacher (MYP, DP) at Deledda International School, Genova (Italy)

September 2008 – June 2011

Teaching mathematics and physics at secondary school level, in the Italian state school system.

August 2007 – June 2008

Visiting Assistant Professor of Mathematics, [Chapman University](#), Orange (CA), USA.

September 2005 – June 2007

Research postdoctoral fellow, [Charles University](#), Prague, as part of the [Eduard Czech Institute](#) under the supervision of V. Souček and J. Bureš.

August 2004 – May 2005

Teaching Assistant for the department of mathematics, [George Mason University](#), Fairfax (VA)

August 2002 – May 2005

Research Assistant for D.C. Struppa, George Mason University August 2002 – May 2005

TEACHING

School year 2021 - present

Secondary Schools - Sanremo
(Italy)

After passing the S.T.E.M. national qualification for the subject class A027 (Mathematics and Physics), I am a full time instructor at the Liceo G.D. Cassini in Sanremo (classical, scientific, music and linguistic high school).

Academic year 2021 – 2022

Faculty of Engineering, University of
Genoa (Italy)

Teaching assistant of the first year courses of **Geometry** and **Calculus I** for the Mechanical Engineering undergraduate degree (DIME)

Academic year 2021 – 2022

Faculty of Engineering, University of
Genoa (Italy)

Teaching assistant of the first year course of **Geometry** for the Mechanical Engineering undergraduate degree (DIME)

Academic year 2020 – 2021

Faculty of Medicine, University of Genoa
(Italy)

Teaching 20 hours of the first year course of **Mathematics** for the Biotechnology undergraduate degree (DIMES), as well as preparing and grading exams (co-teaching with Alessio D'Ali, under the supervision of Paolo Malatesta and Enrico Zeraschi)

School years 2011 - 2021

Secondary Schools, FULGIS - Genoa
(Italy)

Teaching - Deledda International School: MYP Mathematics (2011-2015, and 2018-2021), DP Mathematics SL (2011-2017), DP Mathematics HL (2011-2014), Theory of Knowledge (2015-2017). Duchessa di Galliera: Students with special needs (3 years), Mathematics (2 years).

Other roles - Head of 6th grade year (2011-2012), Head of Mathematics (2012-2014), MYP Assistant Coordinator (2012-2014), DP Assistant Coordinator (2013-2014).

Head of School with administrative duties - between September 2014 and August 2021.

School year 2010 – 2011

Secondary Schools, province of Imperia
(Italy)

Full year instructor of mathematics (A026), Istituto tecnico per geometri "C. Colombo", Sanremo. Substitute instructor (September to February) of Mathematics (A047) at Istituto Alberghiero "G. Aicardi", Arma di taggia, and at IPSIA "G. Marconi" (March to June), Sanremo.

School year 2009 – 2010

Secondary Schools, province of Imperia
(Italy)

Full time instructor of mathematics and physics (A027), Liceo scientifico tecnologico e della comunicazione "Mater Misericordiae", Sanremo. 10th grade class coordinator. Accompanying teacher for the MLA Summer study abroad program, New York City, 15 days (8 students).

School year 2008 - 2009

Secondary Schools, province of Imperia
(Italy)

Substitute instructor of mathematics and physics (A027), Liceo Scientifico "Vieusseux", and "Istituto d'arte statale", Imperia. Member of the final "Esame di Stato" committee at Liceo Scientifico "G. Saccheri", Sanremo.

• Academic Year 2007 - 2008

Chapman University, Orange (CA)

Precalculus – undergraduate level class

Computational Algebra – introduction to Gröbner bases and applications

• Fall Semester 2006

Charles University, Prague (Czech Rep.)

Mathematics seminars in English for second year students on symmetry, Lie groups and their applications.

• Academic Year 2004 - 2005

George Mason University, Fairfax (VA)

Calculus I – recitation and exercises (3 sections)

RESEARCH ACTIVITY

I have written more than 15 papers of scientific research in Mathematics and its applications that have been published on international journals. I have presented my results at several international conferences. A list of publications is available upon request and can be found on the web.

I have also contributed to the development of the computer package CoCoA with the implementation of the three packages: Computation of Ext modules, Application of commutative algebra to algebraic analysis, Representation of $SL(k)$ -invariant operators, Dirac complexes and reduction of tensors

LANGUAGE SKILLS

CEFR	Listening	Reading	Interacting	Speaking	Writing
Italian	Mother Tongue	Mother Tongue	Mother Tongue	Mother Tongue	Mother Tongue
English CAE grade A 2012	C2	C2	C2	C2	C2
Spanish DELE 2016	B2	B2	B2	B2	B2
French DELFB 2017	B1	B1	B1	B1	B1

Other languages I have studied at various levels: Portuguese, Czech, Modern Greek, Latin

TECHNICAL SKILLS AND COMPETENCES

- Common Office applications. GeoGebra and Desmos. Some skills in video editing.
- Professional typing and publication software: LaTeX, Microsoft Word.
- Programming languages: Basic, Pascal. Some Fortran 77 and 90, some C.
- Computer Algebra software: CoCoA and Singular

INTERNATIONAL BACCALAUREATE ORGANIZATION (I.B.O.) PROFESSIONAL DEVELOPMENT

October 2011: Mathematics SL Category 1 Workshop – Barcelona (Spain).
October 2014: IBAEM Regional Conference, Preconference on leadership – Rome (Italy).
November 2015: Mathematics SL Category 2 Workshop – Vienna (Austria).
March 2016: Administrators and Coordinators Category I – Madrid (Spain)

PRIVATE TUTORING

- **Mathematics and Physics**
 - English
 - Italian
- **Piano and Solfege**

1997-2002, mostly high school students and undergraduate university students.
2004-2008, mostly young people and adults wanting to improve their conversation skills.
2006-2007, while in Prague, I taught basic Italian to foreigners and locals.
In 2008 and 2009, I supported the teaching activity of maestro Cristina Orvieto, Sanremo (IM), Piedmont. I currently teach Solfege and Piano to three private students at the beginner level

MUSIC SKILLS

I have always enjoyed playing classical music, as I began taking piano lessons when I was seven years old. It is still one of my favorite hobbies today. I have passed the first examination of classical piano from the Conservatory of Cuneo (Italy) with a grade of 8/10 and I am certified to teach music theory and solfege. Over the years, I have joined several choirs and a cappella ensembles both in Genova and in Sanremo, I sometimes have paired with other musicians and accompanied their public performances (clarinet/piano, voice/piano, piano 4 hands).

OTHER ACTIVITIES/HOBBIES

In July 2011 I opened and managed the B&B "Il Larice" in Briga Alta (CN), Italy.
I am a nature enthusiast and love spending time in the mountains.
I enjoy cooking, especially baking bread focaccia, pizza and Greek/ethnic foods.
My current favorite readings include the fields of mathematics divulgation and teaching, psychology and behavioral theory, some novels and autobiographies from Italian writers, LGBT studies and related novels. Some authors I like are Banana Yoshimoto, Piero Angela and Yuval Noah Harari. I like to read in Italian, English, Spanish, French, and Portuguese.

REFERENCES

• Secondary School Teaching

Ms. Patrizia Magnoni, assistant head of school, Liceo G.D. Cassini

Ms. Elizabeth Cyokendall Rice, DIS DP Coordinator & Head of School Mr. Ignazio Venzano, former FULGIS Director

• Research and Academia

Dr. Daniele Struppa, President of Chapman University
Dr. Irene Sabadini, Full Professor, Milan Tech

• Music and Piano

Ms. Cristina Orvieto, Piano Instructor and Performer

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