

Professional Address Universidade Federal Fluminense, Centro de Estudos Gerais, Instituto de Matemática e Estatística.
Rua Professor Marcos Waldemar de Freitas Reis
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Formal Education/Degree

- 2011 - 2014** Ph.D. in Matematica e applicazioni .
Università degli Studi di Genova, UNIGE, Itália. *Year of degree:* 2014.
Advisor: Claudio Bartocci.
Grantee of: .
- 2008 - 2010** Master's in Matematica .
Università degli Studi di Pavia, UNIPV, Itália. *Year of degree:* 2010.
Advisor: Cinzia Casagrande.
- 2005 - 2008** Graduation in Matematica .
Università degli Studi di Pavia, UNIPV, Itália.
Advisor: Ludovico Pernazza.

Postdoctorate

- 2018 - 2019** Postdoctorate.
Northeastern University, NORTHEASTERN, Estados Unidos.
Grantee of: Fundação de Amparo à Pesquisa do Estado de São Paulo ,FAPESP ,Brasil .
Major Area: [Exact and Earth Sciences](#).
- 2015 - 2019** Postdoctorate.
Universidade Estadual de Campinas, UNICAMP, Brasil.
Grantee of: Fundação de Amparo à Pesquisa do Estado de São Paulo ,FAPESP ,Brasil .
Major Area: [Exact and Earth Sciences](#).

Complementary Education

Professional Experience

Universidade Federal Fluminense, UFF, Brasil.

Contract

2019 - Present Type of contract: Government Employee, Functional Placement: , Credit Hours: 40, Exclusive Dedication.

Activities

2023 - Present Project participation activities, Centro de Estudos Gerais, Departamento de Análise.
Research Projects

Università degli Studi di Genova, UNIGE, Itália.**Contract****2014 - 2015** Type of contract: Teaching assistance, Functional Placement:**Contract****2014 - 2014** Type of contract: Tutoring, Functional Placement:**Contract****2013 - 2014** Type of contract: Teaching assistance, Functional Placement:**Contract****2013 - 2013** Type of contract: Teaching assistance, Functional Placement:**Contract****2012 - 2013** Type of contract: Teaching assistance, Functional Placement:**Contract****2012 - 2012** Type of contract: Tutoring, Functional Placement:**Università degli Studi di Pavia, UNIPV, Itália.****Contract****2009 - 2010** Type of contract: Tutoring, Functional Placement:**Contract****2008 - 2009** Type of contract: Tutoring, Functional Placement:**Scientific Journal Referee****2016 - Present** Journal: Mathematical Reviews**Areas of Expertise**

1. *Major Area:* Exact and Earth Sciences / *Area:* Mathematics / *Subarea:* Álgebra / *Specialty:* Geometria Algébrica.

Languages

Italian	Comprehends Well, Speaks Well, Reads Well, Writes Well.
French	Comprehends Well, Speaks Reasonably, Reads Well, Writes Well.
English	Comprehends Reasonably, Speaks Reasonably, Reads Reasonably, Writes Reasonably.
Spanish	Comprehends Reasonably, Speaks Little, Reads Reasonably, Writes Little.
Portuguese	Comprehends Well, Speaks Reasonably, Reads Well, Writes Reasonably.

Awards and Titles

- 2015** Honorable Mention in the Elsevier Young Scientist Award, Elsevier.
- 2004** Medalha de bronze, Fase nacional das Olimpíadas de Matemática (Itália).

Scientific, Technological, Artistic and Cultural Production**Bibliographical Production****Articles in Scientific Journals**

1. [doi>](#) VON FLACH, RODRIGO A. ; JARDIM, MARCOS ; LANZA, VALERIANO . Obstruction theory for moduli spaces of framed flags of sheaves on the projective plane. JOURNAL OF GEOMETRY AND PHYSICS **JCR**, v. 166, p. 104255, 2021.
2. [doi>](#) BARTOCCI, CLAUDIO ; BRUZZO, UGO ; LANZA, VALERIANO ; RAVA, CLAUDIO L.S. . On the Irreducibility of Some Quiver Varieties. Symmetry Integrability and Geometry-Methods and Applications **JCR**, v. 16, p. 069, 2020.
3. [doi>](#) LANZA, VALERIANO ; MARTINO, IVAN . On the codimension of Noether-Lefschetz loci for toric threefolds. COMMUNICATIONS IN CONTEMPORARY MATHEMATICS **JCR** v. 195 n. 1950037 2019

4. ★ BRUZZO, UGO ; LANZA, VALERIANO . Mathematics **JCR**, v. 23, p. 905, 2019.
5. [doi](#) BARTOCCI, CLAUDIO ; LANZA, VALERIANO ; RAVA, CLAUDIO L.S. . Corrigendum and addendum to -Moduli spaces of framed sheaves and quiver varieties-. JOURNAL OF GEOMETRY AND PHYSICS **JCR**, v. 121, p. 176-179, 2017.
6. [doi](#) BARTOCCI, CLAUDIO ; BRUZZO, UGO ; LANZA, VALERIANO ; RAVA, CLAUDIO L.S. . Hilbert schemes of points of $O_{P^1(-n)}$ as quiver varieties. 2014. (Presentation/Conference or Colloquium).
7. ★ [doi](#) LANZA, VALERIANO ; LO GIUDICE, ALESSIO . Bruzzo's Conjecture. JOURNAL OF GEOMETRY AND PHYSICS **JCR**, v. 118, p. 181-191, 2016.
8. [doi](#) BARTOCCI, CLAUDIO ; LANZA, VALERIANO ; RAVA, CLAUDIO L.S. . Moduli spaces of framed sheaves and quiver varieties. JOURNAL OF GEOMETRY AND PHYSICS **JCR**, v. 118, p. 20-39, 2016.

Presentations of Work

1. LANZA, VALERIANO . Hilbert schemes of points of the total space of $O_{P^1(-n)}$ as quiver varieties. 2014. (Presentation/Conference or Colloquium).
2. LANZA, VALERIANO . Hilbert schemes of points of the total space of $O_{P^1(-n)}$ as quiver varieties. 2015. (Presentation/Conference or Colloquium).
3. LANZA, VALERIANO . Hilbert schemes of points of the total space of $O_{P^1(-n)}$ as quiver varieties. 2015. (Presentation/Conference or Colloquium).
4. LANZA, VALERIANO . Moduli spaces of framed sheaves on Hirzebruch surfaces: the minimal case. 2016. (Presentation/Conference or Colloquium).
5. LANZA, VALERIANO . Hilbert schemes of points of the total space of $O_{P^1(-n)}$ as quiver varieties. 2015. (Presentation/Seminar).
6. LANZA, VALERIANO . Hilbert schemes of points of the total space of $O_{P^1(-n)}$ as quiver varieties. 2015. (Presentation/Seminar).
7. LANZA, VALERIANO . A conjecture of Bruzzo about restricting Higgs bundles to curves. 2016. (Presentation/Seminar).
8. LANZA, V. . Moduli spaces of framed sheaves on Hirzebruch surfaces: the minimal case. 2016. (Presentation/Conference or Colloquium).
9. LANZA, V. . Nakajima's flag varieties and framed sheaves on Hirzebruch surfaces. 2016. (Presentation/Conference or Colloquium).
10. LANZA, V. . Higgs bundles on K3 surfaces. 2017. (Presentation/Seminar).
11. LANZA, V. . A classification of semistable Higgs bundles on Calabi-Yau manifolds. 2018. (Presentation/Seminar).
12. LANZA, V. . Framed sheaves, ADHM data and quiver varieties. 2018. (Presentation/Seminar).
13. LANZA, V. . Curve semistable Higgs bundles on K3 surfaces. 2018. (Presentation/Conference or Colloquium).
14. LANZA, V. . On a conjecture about curve semistable Higgs bundles. 2019. (Presentation/Seminar).
15. LANZA, V. . Hilbert schemes and irreducibility of certain quiver varieties. 2019. (Presentation/Conference or Colloquium).
16. LANZA, V. . Moduli of flags of sheaves: a quiver description. 2021. (Presentation/Seminar).
17. LANZA, V. . Moduli of flags of sheaves: a quiver description. 2021. (Presentation/Seminar).
18. LANZA, V. . Moduli of flags of sheaves: a quiver description. 2021. (Presentation/Seminar).
19. LANZA, V. . Moduli of flags of sheaves: a quiver description. 2021. (Presentation/Seminar).
20. LANZA, V. . Quiver representations and moduli of sheaves. 2022. (Presentation/Seminar).
21. LANZA, V. . A quiver model for the nested Hilbert scheme of $OP^1(-n)$. 2022. (Presentation/Conference or Colloquium).
22. LANZA, V. . Nested Hilbert schemes as quiver varieties, I. 2022. (Presentation/Conference or Colloquium).
23. LANZA, V. . Nested Hilbert schemes on Hirzebruch surfaces. 2023. (Presentation/Seminar).
24. LANZA, V. . Nested Hilbert schemes on Hirzebruch surfaces and quiver varieties. 2024. (Presentation/Conference or Colloquium).
25. LANZA, VALERIANO . Hilbert schemes of points of the total space of $O_{P^1(-n)}$ as quiver varieties. 2015. (Presentation/Conference or Colloquium).

Other Kinds of Bibliographical Production a

2. BARTOCCI, C. ; BRUZZO, U. ; LANZA, V. ; RAVA, C. L. S. . ADHM data for the Hilbert scheme of points of the total space of $OP^1(-n)$. Cornell University Library - arXiv, 2014 (Preprint).
4. ★ BRUZZO, U. ; SANTOS, P. H. ; LANZA, V. . Nested Hilbert schemes on Hirzebruch surfaces and quiver varieties. arXiv, 2024 (Preprint).

Boards

Participation in Course Completion Works Examination Boards

Dissertation

1. HASSANZADEH, H. S.; COSTA, V. B. M.; LANZA, V.. Participation In Board of Roberto Arturo Fiestas Izaguirre. 2023. Dissertation (Master's in Matemática) - Universidade Federal do Rio de Janeiro.
2. LANZA, V.; COTTERILL, E. G.; ESPARZA, C. M. M.. Participation In Board of Oscar Daniel Bernal Miranda. 2023. Dissertation (Master's in Matemática) - Universidade Estadual de Campinas.
3. LANZA, V.; Luca Scala; HASSANZADEH, H. S.. Participation In Board of Rafael Almeida Orlando. 2022. Dissertation (Master's in Matemática) - Universidade Federal do Rio de Janeiro.
4. BRUZZO, U.; LANZA, V.; MIRANDA NETO, C. B.. Participation In Board of Fabio Arceu Ferreira. 2021. Dissertation (Master's in MATEMÁTICA) - Universidade Federal da Paraíba.
5. Eliezer Batista; Amar A. Henni; MARTINS, S. T.; Luca Scala; LANZA, V.. Participation In Board of Douglas Manoel de Guimarães. 2017. Dissertation (Master's in Mestrado em Matemática e Computação Científica) - Universidade Federal de Santa Catarina.

Ph.D. Thesis

1. LANZA, V.; BRUZZO, U.; MARCHESI, S.; ALMEIDA, C.; MARTINS, R. V. S.. Participation In Board of Pedro Henrique Dos Santos. 2024. Thesis (Ph.D. in MATEMÁTICA) - Universidade Federal da Paraíba.
2. BRUZZO, U.; MACEDO, R. B. C.; LANZA, V.; ALMEIDA, C.; HENNI, A. A.. Participation In Board of Ivan Junnior Serna Giraldo. 2023. Thesis (Ph.D. in MATEMÁTICA) - Universidade Federal da Paraíba.
3. LANZA, V.; ANDRADE, A. V.; MARTINS, R. V. S.. Participation In Board of Luiz Carlos da Silva Sobral. 2019. Thesis (Ph.D. in Doutorado em Matemática) - Universidade Estadual de Campinas.
4. MARCHESI, S.; LANZA, V.; Marcos Jardim; CORREA JUNIOR, M. B.; MARTINS, R. V. S.. Participation In Board of Aydee López Santana. 2017. Thesis (Ph.D. in Doutorado em Matemática) - Universidade Estadual de Campinas.

Ph.D. Qualification

1. LANZA, V.; AVILAR, D. V.; ALVES, E. C. S. T.. Participation In Board of 14 candidatos. 2024. Qualification Exam (Ph.D. Student in Matemática) - Universidade Federal Fluminense.
2. LANZA, V.; CHAVES, J. C.; ABREU, A.. Participation In Board of Michel Yukiti Okuma. 2024. Qualification Exam (Ph.D. Student in Matemática) - Universidade Federal Fluminense.
3. LANZA, V.; MENDLEWICZ, G. C.; HAZARD, P. E.. Participation In Board of Lorhan Costa da Silva. 2024. Qualification Exam (Ph.D. Student in Matemática) - Universidade Federal Fluminense.
4. LANZA, V.; SALOMAO, R.; AMARAL, T. F.. Participation In Board of Michel Yukiti Okuma. 2024. Qualification Exam (Ph.D. Student in Matemática) - Universidade Federal Fluminense.
5. LANZA, V.; GUARINO, P.; MURILLO, P. G. P.. Participation In Board of Laura Daniela Bermúdez Montoya. 2024. Qualification Exam (Ph.D. Student in Matemática) - Universidade Federal Fluminense.
6. LANZA, V.; MACEDO, R. B. C.; BRUZZO, U.. Participation In Board of Fábio Arceu Ferreira. 2023. Qualification Exam (Ph.D. Student in Matemática) - Universidade Federal da Paraíba.
7. LANZA, V.; BRUZZO, U.; HENNI, A. A.; ROJAS ARANCIBIA, J. F.. Participation In Board of Pedro Henrique Dos Santos. 2022. Qualification Exam (Ph.D. Student in MATEMÁTICA) - Universidade Federal da Paraíba.
8. LANZA, V.; BRUZZO, UGO; BEDREGAL, R. C.. Participation In Board of Ivan Junnior Serna Giraldo. 2021. Qualification Exam (Ph.D. Student in MATEMÁTICA) - Universidade Federal da Paraíba.
9. LANZA, V.; SALOMAO, R.; VAN EKEREN, J. W.. Participation In Board of Francisco Miguel Zamora Inuma. 2021. Qualification Exam (Ph.D. Student in Matemática) - Universidade Federal Fluminense.

Participations in Judging Commissions' Boards

Government Worker Selection

1. LANZA, V.; ANDERSSON, N. M.; CLARKE, A.; VALENZUELA, M. D. J.; SILVA, M. A. H. B.. . 2024. Universidade Federal do Rio de Janeiro.

Other Participation

1. LANZA, V.; BRUZZO, U.; SIBILLA, N.. . 2023. International School for Advanced Studies.
2. LANZA, V.; SILVA, L. A. V.; VIANA, J. P.. . 2020. Universidade Federal Fluminense.

Events

Participation in events

1. . 2023. (Participation In Events/ Congresses).
2. . 2023. (Participation In Events/ Congresses).
3. Nested Hilbert schemes as quiver varieties, I. 2022. (Participation In Events/ Congresses).
4. A quiver model for the nested Hilbert scheme of $OP1(-n)$. 2022. (Participation In Events/ Congresses).
5. . 2021. (Participation In Events/ Congresses).
6. . 2020. (Participation In Events/ Congresses).
7. Hilbert schemes and irreducibility of certain quiver varieties. 2019. (Participation In Events/ Congresses).
8. Curve semistable Higgs bundles on K3 surfaces. 2018. (Participation In Events/ Congresses).
9. Moduli spaces of framed sheaves on Hirzebruch surfaces: the minimal case. 2016. (Participation In Events/ Congresses).
10. Nakajima's flag varieties and framed sheaves on Hirzebruch surfaces. 2016. (Participation In Events/ Congresses).
11. 1st Joint Meeting Brazil - Italy in Mathematics. 2016. (Participation In Events/ Meetings).
12. 24th Brazilian Algebra Meeting. 2016. (Participation In Events/ Meetings).
13. CIMPA-CIMAT-ICTP School on Moduli of CurvesHilbert schemes of points of the total space of $OP1(-n)$ as quiver varieties. 2016. (Participation In Events/Other).
14. Hilbert schemes of points of the total space of $O_{P1}(-n)$ as quiver varieties. 2015. (Participation In Events/ Congresses).
15. . 2015. (Participation In Events/ Workshops).
16. . 2015. (Participation In Events/ Workshops).
17. Framed Sheaves and Hilbert Schemes on Hirzebruch Surfaces. 2014. (Participation In Events/ Congresses).
18. Hilbert schemes of points on the total space of $OP1(-n)$ as quiver varieties. 2014. (Participation In Events/ Congresses).
19. . 2014. (Participation In Events/ Congresses).
20. . 2014. (Participation In Events/ Congresses).
21. . 2013. (Participation In Events/ Congresses).
22. . 2013. (Participation In Events/ Congresses).
23. . 2013. (Participation In Events/ Congresses).
24. . 2013. (Participation In Events/ Congresses).
25. . 2012. (Participation In Events/ Congresses).

Organization of Events

1. LANZA, V. ; PACINI, M. ; CHAVES, J. C. ; ABREU, A. . LEGAL - Liberdade em Geometria Algèebica. 2024. (Event Production/Congress).
2. LANZA, V. ; FRANCO, E. . Encontro Conjunto Brasil-Portugal em Matemática. 2022. (Event Production/Congress).
3. LANZA, V. ; SIBILLA, N. ; ANDRADE, A. V. ; SILVA, D. D. ; ALMEIDA, C. . IV Congresso Brasileiro de Jovens Pesquisadores em Matemática Pura, Aplicada e Estatística. 2022. (Event Production/Congress).
4. LANZA, V. . Shapes of thought: geometry, mathematical physics, and philosophy - A conference in honor of Claudio Bartocci's 60th birthday. 2022. (Event Production/Congress).
5. LANZA, V. ; ANDRADE, A. V. ; ALMEIDA, C. ; SIBILLA, N. ; SILVA, D. D. . Webinário de Jovens Pesquisadores em Matemática Pura, Aplicada e Estatística - Um prelúdio ao IV CBJME. 2020. (Event Production/Congress).
6. Amar A. Henni ; LANZA, V. . III Congresso Brasileiro de Jovens Pesquisadores em Matemática Pura, Aplicada e Estatística. 2018. (Event Production/Congress).
7. Amar A. Henni ; Marcos Jardim ; Fabio Perroni ; Francesco Sala ; Jacopo Scalise ; Pietro Tortella ; LANZA, V. . Interactions between Geometry and Physics - A conference in honor of Ugo Bruzzo's 60th birthday. 2015. (Event Production/Congress).
8. Claudio Bartocci ; Luigi Civalleri. ; LANZA, V. ; Alberto Perelli ; Giovanni Filocamo ; Alessandro Languasco . Numeri. Tutto quello che conta da zero a infinito. 2014. (Event Production/ Exposition).

Academic Advisory - concluded

Ph.D. thesis

1. Pedro Henrique Dos Santos. 2021. Thesis - Universidade Federal da Paraíba, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior. *Co-Advisor*: Valeriano Lanza.

Other Academic Advisory

1. João Napomuceno Azevedo. 2023. Other Academic Advisory - Universidade Federal Fluminense. Advisor: Valeriano Lanza.
2. João Napomuceno Azevedo. 2022. Other Academic Advisory - Universidade Federal Fluminense. Advisor: Valeriano Lanza.
3. Andres Lipa Carrizales. 2021. Other Academic Advisory - Universidade Federal Fluminense. Advisor: Valeriano Lanza.
4. Wilfried Kouakou. 2021. Other Academic Advisory - Universidade Federal Fluminense. Advisor: Valeriano Lanza.

Other Relevant Information

Visitas científicas: UFPB, João Pessoa (Paraíba) - Brasil (12-23 março 2022); University of Pennsylvania, Philadelphia (PA) - US (4-19 maio 2017); UFSC, Florianópolis (SC) - Brasil (6-10 março 2017; 26 - 30 janeiro 2016; 24 outubro - 4 novembro 2015; 1 - 6 julho 2015); IMECC, Unicamp, Campinas (SP) - Brasil (19 - 30 junho 2015); SISSA, Trieste - Itália (12 - 16 maio 2013; 15 - 19 setembro 2013; 11 - 16 novembro 2013; 16 - 20 março 2014; 10 - 15 novembro 2014); Aprovado em Concurso Público para o cargo de Professor Doutor na área de Álgebra e Aplicações (Departamento de Matemática do IMECC, Universidade Estadual de Campinas, novembro de 2016).