GIUSEPPE GENTILE

1. Curriculum Vitae

PERMANENT ADDRESS
Via Roma 211
Tursi, 75028
Basilicata, Italy

PRESENT ADDRESS
Stammestraße 98
Hannover, 30459
Niedersachsen, Germany

Basic Informations

Birthplace	Policoro, Italy
Birth-date	10 October 1991
Gender	Male
Personal email address	ggentile65@gmail.com
University email address	giuseppe.gentile@uni-oldenburg.de giuseppe.gentile@math.uni-hannover.de
Telephone	+49 1575 3464052

Education

2018–2022	**PhD in Mathematics, Carl von Ossietzky Univerität Oldenburg, Germany.**
2015–2017	MSc in Mathematics, Rheinische Friedrich-Wilhelms-Universität Bonn, Germany.
2010–2014	BSc in Mathematics, Università degli studi di Bari Aldo Moro, Italy.
2005–2010	High-school graduation, Liceo scientifico Enrico Fermi Policoro, Italy.

Languages

Italian	Mother tongue
English	Fluent
German	Intermediate
French	Fair

Computer Skills

Matlab	good
C++	good
Java	basic
Python	good
LaTeX	good

2. Working experiences

2022–2025	Differential geometry institute - Leibniz Universität Hannover

3. Publications

(1) Gentile, Giuseppe, and Boris Vertman. "Prescribed mean curvature flow of non-compact space-like Cauchy hypersurfaces." *Annals of Global Analysis and Geometry* 64.2 (2023): 11.
(2) Caldeira, Bruno, and Giuseppe Gentile. "Heat-type equations on manifolds with fibered boundaries I: Schauder estimates." *Annals of Global Analysis and Geometry* 66.3 (2024): 12.
(3) Assimos, Renan, Balázs Márk Békési, and Giuseppe Gentile. "Perturbed cone theorems for proper harmonic maps." To appear in *Canadian journal of mathematics* (2025).

4. Preprints

(1) Caldeira, Bruno, and Giuseppe Gentile. "Heat-type equations on manifolds with fibered boundaries II: Parametrix construction." *arXiv preprint arXiv:2302.13111* (2023).
(2) Assimos, Renan, Balázs Márk Békési, and Giuseppe Gentile. "Remarks on the generalised Calabi-Yau problem in higher codimension." *arXiv preprint arXiv:2404.08781* (2024).
(3) Gentile, Giuseppe. "Analysis of the Schr¨odinger equation on non-compact manifolds." *In preparation*

5. Teaching experiences

- Teaching assistant for "Analysis 1" (assisting Prof. Dr. Knut Smoczyk, held in German), winter semester 2024-2025;
- Teaching assistant for "Geometrie für Klassische Differentialgeometrie" [Riemannian geometry of $\mathbb{R}^n$] (assisting Prof. Dr. Roger Bielawski, held in German), winter semester 2024-2025;
- Teaching assistant for "Mathematik 2: Analysis" [Calculus] (assisting Prof. Dr. Elmar Schrohe, held in German), summer semester 2024;
- Teaching assistant for "Geometrie für das Lehramt" [Hilbert axioms] (assisting Prof. Dr. Knut Smoczyk, held in German), summer semester 2024;
- Teaching assistant for "Klassische Differentialgeometrie" [Riemannian geometry of submanifolds of $\mathbb{R}^n$] (assisting Prof. Dr. Knut Smoczyk, held in German), winter semester 2023-2024;
- Teaching assistant for "Geometrie für das Lehramt für Sonderpädagogik" [Hilbert axioms in planar geometry] (assisting PD. Dr. Lutz Habermann, held in German), summer semester 2023;
- Teaching assistant for "Geometrie für das Lehramt" [Hilbert axioms] (assisting Prof. Dr. Knut Smoczyk, held in German), summer semester 2023;

- Teaching assistant for "Klassische Differentialgeometrie" [Geometry of curves and surfaces, introduction to Riemannian geometry] (assisting Dr. Renan Assimos, held in English), winter semester 2022-2023;
- Teaching assistant for "Mathemathik für Physiker 2" [Complex analysis] (assisting Prof. Dr. Lynn Heller, held in German), summer semester 2022;
- Teaching assistant for "Mannigfaltigkeiten" [Basics of differential geometry of smooth manifolds] (assisting Prof. Dr. Knut Smoczyk, held in German), summer semester 2022;
- Teaching assistant for "Analysis II" [Ordinary differential equations] (assisting Prof. Dr. Boris Vertman, held in German), summer semester 2021;
- Teaching assistant for "Theorie der Partiellen Differentialgleichungen" [Partial differential equations] (assisting Prof. Dr. Daniel Grieser, held in English), summer semester 2020;
- Teaching assistant for "Globale Analysis II" [Atiyah-Singer index theorem] (assisting Prof. Dr. Daniel Grieser, held in English), summer semester 2019;
- Teaching assistant for "Funktionalanalysis" [Classical functional analysis] (assisting Prof. Dr. Boris Vertman, held in English), winter semester 2018-2019.