

# GIUSEPPE PIPOLI

## CURRICULUM VITAE

(updated on 05 May 2021)

### PERSONAL INFORMATION

---

<i>Born</i>	In Brindisi, Italy, 03 December 1986
<i>Nationality</i>	Italian
<i>Languages</i>	Italian: mother tongue English: fluent French: fluent
<i>Web page</i>	<a href="https://sites.google.com/view/giusepppipoli/home">https://sites.google.com/view/giusepppipoli/home</a>
<i>email</i>	<a href="mailto:giuseppe.pipoli@univaq.it">giuseppe.pipoli@univaq.it</a>

### OCCUPATION

---

<i>29 Nov. 2019 – Today</i>	<b>Researcher Position (RTD B)</b> RTD-B position at Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica, Università degli Studi dell'Aquila, L'Aquila, Italy. SSD MAT/03 – Geometry
<i>02 Nov. 2018 - 28 Nov. 2019</i>	<b>Researcher Position (RTD A)</b> RTD-A position at Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica, Università degli Studi dell'Aquila, L'Aquila, Italy. SSD MAT/03 – Geometry
<i>01 Sept. 2017 - 01 Nov. 2018</i>	<b>Post Doctoral Position</b> Assegno di ricerca at Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica, Università degli Studi dell'Aquila, L'Aquila, Italy. Supervisor: Prof. Barbara Nelli
<i>01 Oct. 2014 - 31 Aug. 2017</i>	<b>Post Doctoral Position</b> Post doctoral position at Insitut Fourier, Université Grenoble Alpes, funded by the project ERC Geometry and Topology of Open Manifolds (GETOM). Supervisor: Prof. Gérard Besson.

### EDUCATION

---

<i>01 Nov. 2010 – 12 Sept. 2014</i>	<b>PhD in Mathematics</b> PhD student of Sapienza Università di Roma, Rome, Italy. Title of the thesis: Mean curvature flow of pinched submanifolds in positively curved symmetric spaces Advisor: Prof. Carlo Sinestrari (University of Tor Vergata, Rome, Italy). Date of the final exam: 12 <sup>th</sup> September 2014 Commettee: Prof. Gerhard Huisken, Prof. Carlo Mantegazza, Prof. Barbara Nelli.
<i>Sep 2008 – Oct 2010</i>	<b>Master degree in Mathematics, 110/110 cum laude</b> University: Università del Salento, Lecce, Italy

---

**PUBLICATIONS**


---

1. G. PIPOLI, *Invariant translators of the Heisenberg group*, **Journal of Geometric Analysis** 31(5), 2021, 5219 – 5258.
2. G. PIPOLI, *Invariant translators of the Solvable group*, **Annali di Matematica Pura e Applicata** 199(5), 2020, 1961-1978.
3. G. PIPOLI, *Inverse mean curvature flow in complex hyperbolic space*, **Annales scientifiques de l'ENS** 52(5), 2019, 1107-1135.
4. G. PIPOLI, *Inverse mean curvature flow in quaternionic hyperbolic space*, **Rendiconti Lincei Matematica e Applicazioni** 29 (1), 2018, 153 – 171.
5. M.C. BERTINI, G. PIPOLI, *Volume preserving non homogeneous mean curvature flow in hyperbolic space*, **Differential Geometry and its Applications** 54, 2017, 448-463.
6. G. PIPOLI, C. SINISTRARI, *Cylindrical estimates for mean curvature flow of hypersurfaces in CROSSes*, **Annals of Global Analysis and Geometry** 51(2), 2017, pp 179 – 188.
7. G. PIPOLI, *A survey on Inverse mean curvature flow in ROSSes*, **Complex manifolds** 4, 2017, 245 – 262.
8. G. PIPOLI, C. SINISTRARI, *Mean curvature flow of pinched submanifolds of  $CP^n$* , **Communications in Analysis and Geometry** 25(4), 2017, pp 799 – 846.
9. G. PIPOLI, *Mean curvature flow and Riemannian submersions*, **Geometriae Dedicata** 184 (1), 2016, pp 67 – 81.

---

**PREPRINTS**


---

1. G. PIPOLI, *Nonhomogeneous expanding flows in hyperbolic spaces*, arXiv:2010.03308

---

**TEACHING ACTIVITIES**


---

**Università degli Studi dell'Aquila, L'Aquila, Italy**

- |           |   |
|-----------|---|
| 2020-2021 | Matematica Discreta, at computer science (6 CFU);<br>Riemannian Geometry, at Mathematics (3 CFU);   |
| 2019-2020 | Matematica Discreta, at computer science (3 CFU);<br>Riemannian Geometry, at Mathematics (3 CFU);<br>Introduction to the Inverse mean curvature flow, Ph.D. course for the Ph.D. in Mathematic and Modeling |
| 2018-2019 | Linear Algebra, at Chemistry (3 CFU);<br>Riemannian Geometry, at Mathematics (3 CFU);<br>Tutor for the course "Geometria B", at Mathematics;  |
| 2017-2018 | Tutor for the course "Geometria B", at Mathematics;   |

**Sapienza Università di Roma, Rome, Italy**

- |           |   |
|-----------|---|
| 2014-2015 | Preparatory courses in mathematics for the first year students of Architecture; |
|-----------|---|

- 2013-2014 Preparatory courses in mathematics for first year students of Chemistry;  
Tutor for the Mathematics course for Biology;
- 2012-2013 Preparatory courses in mathematics for first year students of computer science;  
Tutor for the Mathematics course for Biology.

### SEMINARIES IN WORKSHOPS

---

- 10 Sep 2019 Geometric Analysis, Submanifolds and Geometry of PDE's, Torino, Italy
- 04 Jul 2019 Geometric Analysis on Riemannian and singular metric measure spaces (3<sup>rd</sup> ed), Como, Italy
- 22 Feb 2019 Workshop 2019, varietà reali e complesse: geometria, topologia e analisi armonica, Pisa, Italy
- 20 Dec 2018 New faculty seminars @ DISIM, L'Aquila
- 27 Sep 2018 Progressi recenti in Geometria Reale e Complessa XI, Levico terme (TN), Italy
- 07 Mar 2018 Workshop on Geometric Evolution Equations, Regensburg, Germany
- 09 Oct 2017 Geometric Analysis at Roscoff, Roscoff, France
- 05 Apr 2017 Differential Geometry Days, Torino, Italy
- 28 Mar 2017 The 13th OCAMI-RIRCM Joint Differential Geometry Workshop on Submanifold Geometry and Lie Theory, Osaka, Japan
- 15 Jul 2016 Geometric Analysis on Riemannian and singular metric measure spaces, Como, Italy
- 04 Feb 2015 Rencontre GETOM 2015, Grenoble, France

### OTHER SEMINARIES

---

- 03 Oct 2019 Università degli Studi di Firenze, Italy
- 25 Jun 2019 Sapienza Università di Roma, Roma, Italy
- 09 Apr 2019 Università di Trento, Trento, Italy
- 19 Jul 2018 Università del Salento, Lecce, Italy
- 02 Feb 2018 Université de Montpellier, Montpellier, France
- 05 Dec 2017 Albert Ludwigs Universität, Freiburg, Germany
- 24 Oct 2017 Università degli studi dell'Aquila, L'Aquila, Italy
- 01 Jun 2017 Univesitat Konstanz, Konstanz, Germany
- 11 Apr 2017 Sapienza Università di Roma, Rome, Italy
- 06 Mar 2017 Université Paris 7 Denis Diderot, Paris, France
- 15 Nov 2016 Institut de Mathématiques de Jussieu, Université Pierre et Marie Curie ; Paris, France
- 30 Apr 2015 Institut Fourier, Grenoble, France
- 24 Mar 2015 KCL/UCL Geometry seminar, London, UK

16 Dec 2014	Politecnico di Torino, Italy
21 Jul 2014	Albert Ludwigs Universität, Freiburg, Germany
13 Nov 2013	Sapienza Università di Roma, Rome, Italy

## VISITING PERIODS

---

05-15 May 2019	Institut Fourier, Université Grenoble Alpes, Grenoble, France
11-15 Feb 2019	Institut Fourier, Université Grenoble Alpes, Grenoble, France

## WORKSHOPS & CONFERENCES

---

28-31 Oct 2019	Geometric Analysis at UCA, Cadiz, Spain
09-13 Sep 2019	Geometric Analysis, Submanifolds and Geometry of PDE's, Torino, Italy
01-05 Jul 2019	Geometric Analysis on Riemannian and singular metric measure spaces (3 <sup>rd</sup> edition), Como, Italy
03-07 Jun 2019	Geometric Analysis and General Relativity. A conference in honour of Gerhard Huisken's 60 <sup>th</sup> birthday, Zurich, Switzerland
29 May-01 Jun 2019	Calabi Yau and Geometry, Sapienza, Roma, Italy
12 Apr 2019	Differential Geometry day, Torino, Italy
13-14 Mar 2019	Variational approaches in PDE's, Tor Vergata, Roma, Italy
21-23 Feb 2019	Workshop 2019, varietà reali e complesse: geometria, topologia e analisi armonica, Pisa, Italy
20 Dec 2018	New faculty seminars @ DISIM, L'Aquila, Italy
14 Dec 2018	A day in Riemannian geometry and related topics, Milan, Italy
04-05 Oct 2018	Géométrie Riemannienne et fonctions généralisées, Paris, France
24-27 Sep 2018	Progressi recenti in geometria reale e complessa XI, Levico Terme, Italy
23-27 Jun 2018	Geometric PDEs in Freiburg 2018, Freiburg, Germany
04-08 Jun 2018	Recent advances in Geometric Analysis, Pisa, Italy
28 May-01 Jun 2018	Géométrie et Analyse à Samothrace, Ch. 2, Samothrace, Greece
05-08 Mar 2018	Workshop on Geometric Evolution Equations, Regensburg, Germany
17-18 Oct 2017	Journées Sous-Riemanniennes, Grenoble, France
09-13 Oct 2017	Geometric Analysis at Roscoff, Roscoff, France
06-09 Jun 2017	Advances in Geometric Analysis, ETH, Zurich, Switzerland
05-07 Apr 2017	Differential Geometry Days, Torino, Italy
27-30 Mar 2017	The 13th OCAMI-RIRCM Joint Differential Geometry Workshop on Submanifold Geometry and Lie Theory, Osaka, Japan
20-24 Feb 2017	France – Italy meeting in Geometric Analysis, Pisa, Italy
13 Oct 2016	Journée Sous-Riemannienne, Grenoble, France

11-15 Jul 2016	Geometric Analysis on Riemannian and singular metric measure spaces, Como, Italy
13 Jun – 01 Jul 2016	Summer school and workshop GEOMETRIC ANALYSIS, METRIC GEOMETRY AND TOPOLOGY, Grenoble, France
30 May-04 Jun 2016	Geometric analysis in Samothrace, Samothrace, Greece
28 Sep-01 Oct 2015	Geometric Aspects of General Relativity, Montpellier, France
06-12 Sep 2015	Oberwolfach seminar: singularity analysis for geometric flows, Oberwolfach, Germany
02-05 Mar 2015	Flower & Friends in Frankfurt – A workshop on Geometric Analysis, Frankfurt, Germany
04-06 Feb 2015	Rencontre GETOM 2015, Grenoble, France
18-20 Sep 2014	New trends in Differential Geometry 2014, Villasimius, Italy
23-27 Jun 2014	ERC school on geometric evolution problems, Centro Ennio De Giorgi, Pisa, Italy
30 Jun – 20 Jul 2013	Summer school in Geometric Analysis, Park City Math Institute, Park City, UT, USA
13-17 May 2013	Geometric, Analytic and Probabilistic approaches to dynamics in negative curvature, Roma, Italy
08-10 Oct 2012	Winter school: Geometric evolution equations and related topics, Regensburg, Germany
11-29 Jun 2012	ICTP-ESF school and conference on Geometric Analysis, Trieste, Italy

## OTHER TITLES

<b>REFEREE ACTIVITIES</b>	Mathscinet Geometriae Dedicata, Annals of Global Analysis and Geometry, The Journal of Geometric Analysis, Journal of Evolution Equations, Czechoslovak Mathematical Journal, Journal of the European Mathematical Society, Mathematische Zeitschrift, Mathematische Nachrichten.
<b>OTHER ACTIVITIES</b>	Member of the Doctorate Council of the Ph.D. in Mathematics and Modeling of the Department of Information Engineering, Computer Science and Mathematics of the University of L'Aquila for the cycles XXXVI and XXXVII.
<b>FUNDINGS</b>	"Fondo di Ateneo di Avvio Alla Ricerca 2012", Sapienza Università di Roma, Rome, Italy
<b>QUALIFICATIONS</b>	Qualification aux fonctions de maître de conférences, class 25 „Mathématiques”, 2017, France. Qualification aux fonctions de maître de conférences, class 26 “Mathématiques appliquées et applications des mathématiques”, 2017, France.
<b>AFFILIATIONS</b>	INDAM: GNSAGA group, since 2011; UMI, since 2017.