

# Enrico Trebeschi

## Curriculum Vitae

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Nationality: **Italian**

Birth date: **29 February 1996**

Birthplace: **Brescia, Italy**

## Education

- 10/2021–12/2024 **Ph.D. in Mathematics**, *Università degli Studi di Pavia (Italy) joint with Université Grenoble Alpes (France)*  
(tentative date for defense) Advisor Prof. Francesco Bonsante, and Prof. Andrea Seppi
- 09/2018–10/2021 **M.Sc. in Mathematics**, *Alma Mater Studiorum - Università di Bologna (Italy)*, Department of Mathematics, grade 110/110 *summa cum laude*.  
Thesis: *The half-space model of pseudo-hyperbolic space*, supervisor Prof. Stefano Francaviglia, co-supervisor Prof. Andrea Seppi.
- 09/2015–12/2018 **B.Sc. in Mathematics**, *Alma Mater Studiorum - Università di Bologna (Italy)*, Department of Mathematics, grade 110/110 *summa cum laude*.  
Thesis: *Una generalizzazione del teorema di Seifert-Van Kampen*, supervisor Prof. Stefano Francaviglia.

## Publications and Preprints

- Enrico Trebeschi, *Constant mean curvature hypersurfaces in Anti-de Sitter space*, accepted for publication in *International Mathematics Research Notices (IMRN)*.
- Andrea Seppi and Enrico Trebeschi, *The half-space model of pseudo-hyperbolic space*, appeared in *Developments in Lorentzian Geometry*, Springer Proceedings in Mathematics and Statistics, 285-313, 2022.

## Teaching activities

- 2022-23 **Istituzioni di Geometria**, *Teaching seminars*, M.Sc. in Mathematics  
University of Pavia.
- 14/06/2022 **Matematica Attiva 2022**, *Exercise session for high school students*.  
University of Pavia.
- 2020-21 **Algebra 2**, *Exercise sessions*, B.Sc. in Mathematics  
University of Bologna.

## Prizes and Awards

- 06/2023 **Bando Vinci 2022-23**.  
Grant for PhD thesis co-supervised between France and Italy.
- 11/2019 **Borsa di studio Maria Teresa Ambrosetti 2019-20**.  
Annual grant for the best three students of Mathematics coming from Brescia.
- 12/2018 **Borsa di studio Maria Teresa Ambrosetti 2018-19**.  
Annual grant for the best three students of Mathematics coming from Brescia.
- 03/2018 **Borsa di studio Maria Teresa Ambrosetti 2017-18**.  
Annual grant for the best three students of Mathematics coming from Brescia.

## Given Talks

- 24/07/2024 **Constant Mean Curvature Hypersurfaces in  $\mathbb{H}^{n,1}$** , AMS-UMI Special Session: Anosov representations and higher Teichmüller theory.
- 31/01/2024 **Time foliations in Lorentzian manifolds**, Université de Lille.

- 28/11/2023 **CMC hypersurfaces in Anti-de Sitter space and applications to Teichmüller theory**, Université d'Avignon.
- 16/11/2023 **Constant mean curvature hypersurfaces in Anti-de Sitter space**, Université Côte Azul.
- 19/10/2023 **Foliation of spacetimes**, *Séminaire compréhensible*, Université Grenoble Alpes.
- 22/03/2023 **Constant mean curvature hypersurfaces in Anti-de Sitter space**, *Manifolds and groups in Bologna*, University of Bologna.
- 13/12/2022 **Geometria e deep learning: parenti alla lontana?**, *Caffè Beltrami*, University of Pavia.
- 25/08/2022 **Maximal surfaces in anti-de Sitter space**, *Workshop "Minimal surfaces in symmetric spaces and Labourie's conjecture"*, Autrans.

## Conferences attended

- 26/08/2024–  
30/08/2024 **Components of Character Varieties**, *Aussois*, France.
- 23/07/2024–  
26/07/2024 **AMS-UMI Special Session: Anosov representations and higher Teichmüller theory**, *Palermo*, Italy.
- 15/07/2024–  
19/07/2024 **Moving to higher rank: from hyperbolic to Anosov (in honor of Dick Canary)**, *Cetraro*, Italy.
- 15/04/2024–  
19/04/2024 **Submanifolds of locally symmetric spaces: geometric, analytic and dynamical aspects**, *Autrans*, France.
- 20/11/2023–  
22/11/2023 **Paroles aux jeunes chercheuses et chercheurs du GDR platon**, *Grenoble*, France.
- 14/09/2023–  
15/09/2023 **(MGT)<sup>2</sup>: Milan-Grenoble-Turin Meeting in Geometry and Topology**, *Torino*, Italy.
- 28/08/2023–  
01/09/2023 **Metrics on higher Teichmüller spaces**, *Fréjus*, France.
- 01/06/2023–  
02/06/2023 **Teichmüller space: from low dimension to infinity and beyond**, *Montpellier*, France.
- 22/03/2023–  
23/03/2023 **Manifolds and groups in Bologna**, *Bologna*, Italy.
- 24/03/2023 **Non-positive curvature in manifolds and groups**, *Bologna*, Italy.
- 13/03/2023–  
17/03/2023 **Geometry, Probability and their Synergies**, *Les Diablerets*, Switzerland.
- 19/01/2023–  
20/01/2023 **(MGT)<sup>2</sup>: Milan-Grenoble-Turin Meeting in Geometry and Topology**, *Grenoble*, France.
- 22/08/2022–  
26/08/2022 **Workshop Minimal surfaces in symmetric spaces and Labourie's conjecture**, *Autrans*, France.
- 15/06/2022–  
17/06/2022 **Geometric Analysis Meeting**, *University of Torino*, Italy.
- 02/06/2022–  
06/06/2022 **Groups, Geometry and Dynamics, a conference in honor of François Labourie**, *Cargèse*, France.
- 24/01/2022–  
26/01/2022 **Geometry Winter Workshop**, *University of Luxembourg*, Luxembourg.
- 10/01/2022–  
14/01/2022 **Young Researcher's Workshop on Positivity in Lie Groups**, *Heidelberg*, Germany.
- 29/08/2022–  
4/09/2021 **Workshop Dynamics on Anosov representations**, *Aussois*, France.

## Other activities

- 27/09/2024 **Co-organizer of the Researchers' Night stand**, *La bellezza delle forme*, Department of Mathematics, University of Pavia.
- 30/09/2022 **Co-organizer of the Researchers' Night stand**, *L'universo parsimonioso: Bolle di sapone*, Department of Mathematics, University of Pavia.

2021-2023 **Co-organizer of the PhD seminars**, *Caffé Beltrami*, Department of Mathematics, University of Pavia.

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## Languages

- **Italian:** Native
- **English:** Fluent
- **French:** Fluent
- **Spanish:** Basic
- **German:** Beginner

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## References

- **Francesco Bonsante**, Università degli Studio di Pavia, Italy  
francesco.bonsante@unipv.it
- **Andrea Seppi**, Université Grenoble-Alpes, France  
andrea.seppi@univ-grenoble-alpes.fr
- **Jérémy Toulisse**, Université Côte Azul, France  
jtoulisse@unice.fr
- **Stefano Francaviglia**, Alma Mater Studiorum - Università di Bologna, Italy  
stefano.francaviglia@unibo.it