

# Fabio Gironella

## Short Curriculum Vitae

### Positions

since 09/2018 **Post-doc researcher**, *Alfréd Rényi Institute of Mathematics*, Budapest.

### Education

07/2018 **Ph.D. in Mathematics**, *École polytechnique*, Palaiseau.

Thesis: "On some constructions of contact manifolds"

Supervisor: Patrick Massot

06/2015 **Diploma**, *Ecole Normale Supérieure*, Paris.

09/2014 **Master's Degree in mathematics**, *Université Pierre et Marie Curie*, Paris.

Master thesis: "Vogel's theorem: uniqueness of contact structures approximating a foliation."

Supervisor: Patrick Massot .

Mention "Très Bien" (Very Good).

06/2012 **Laurea Triennale (Bachelor)**, *Università di Pisa and Scuola Normale Superiore*.

Bachelor thesis: "Measured foliations on surfaces and classification theorems."

Supervisor: Bruno Martelli.

110/110 cum laude.

### Papers

1. **Bourgeois contact structures: tightness, fillability and applications**, *with Jonathan Bowden and Agustin Moreno*.  
Available at arXiv:1908.05749. Note that this paper supersedes arXiv:1903.11866, namely *5-dimensional Bourgeois contact structures are tight*, also joint work with Jonathan Bowden and Agustin Moreno, which is hence now withdrawn.
2. **A remark on the contactomorphism group of overtwisted contact spheres**, *with Eduardo Fernández*.  
To appear in *Comptes Rendus Mathématique*. Also available at arXiv:1910.01359
3. **Examples of contact mapping classes of infinite order in all dimensions**.  
To appear in *Mathematical Research Letters*. Also available at arXiv:1809.07762
4. **On some examples and constructions of contact manifolds**.  
*Math. Ann.* (2019). <https://doi.org/10.1007/s00208-019-01895-4>. Also available at arXiv:1711.09800
5. **Examples of non-trivial contact mapping classes for overtwisted contact manifolds in all dimensions**.  
*Algebr. Geom. Topol.*, Volume 19, Number 3 (2019), 1207-1227. Also available at arXiv:1704.07278.

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## Conference/Workshop research talks

- 02/2020 **CAST 2020: XIV Workshop on Symplectic Geometry, Contact Geometry, and Interactions**, *University of Antwerpen*.
- 01/2019 **Workshop on Symplectic and contact mapping class groups**, *Seoul National University*, Two talks.

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## Recent seminar research talks

- 01/2020 **UCLA Topology Seminar**, *UCLA*, Los Angeles.
- 11/2019 **Séminaire Nantes–Orsay**, *Université Paris Sud*, Orsay.
- 09/2019 **Monash Topology Seminar**, *Monash University*, Clayton.
- 07/2019 **Symplectic seminar**, *Humboldt-Universität*, Berlin.
- 04/2019 **Topology Wednesday meetings**, *Alfréd Rényi Institute*, Budapest.
- 12/2018 **Geometry Seminar**, *Justus-Liebig-Universität Gießen*, Gießen.
- 12/2018 **Oberseminar Differentialgeometrie**, *Universität Augsburg*, Augsburg.
- 09/2018 **Geometry Seminar**, *Instituto de Ciencias Matemáticas*, Madrid.

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## Research visits

- 11/2019 **Mathematisches Forschungsinstitut Oberwolfach**, Oberwolfach, one week.
- 09/2019 **Monash University**, Clayton, two weeks.
- 07/2019 **Humboldt-Universität**, Berlin, 5 days.
- 06/2019 **Universität Augsburg**, Augsburg, one week.
- 01/2019 **Seoul National University**, Seoul, one week.
- 01/2019 **MATRIX Mathematical Research Institute**, Creswick, 10 days.
- 12/2018 **Justus-Liebig-Universität Gießen**, Gießen, 3 days.
- 12/2018 **Universität Augsburg**, Augsburg, one week.
- 09/2018 **Instituto de Ciencias Matemáticas**, Madrid, one week.
- 05/2018 **Humboldt-Universität**, Berlin, 3 days.

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## Teaching

- 2017–2018 **Exercise sessions in analysis**, *École polytechnique*, Palaiseau.
- 2016–2017 **Mentored the retake of the course *Introduction à l'analyse réelle***, *École polytechnique*, Palaiseau.
- 2016–2017 **Exercise sessions of *Formation préparatoire* for foreign students**, *École polytechnique*, Palaiseau.
- 2015–2016 **Supplementary exercise sessions for the course *Introduction à l'analyse réelle***, *École polytechnique*, Palaiseau.

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## Awards/Grants

- 09/2015 **Fellowship “Chapeau Monge”**, *École polytechnique*.
- 09/2015 **PhD grant “Allocation spécifique pour normaliens”**, *École Normale Supérieure*.

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