

# Éric COLIN de VERDIÈRE

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Born in 1977 in Paris  
Married, four children  
French citizen  
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## Research Interests

At the interface between computer science and mathematics: algorithms and combinatorics mixed with topology and geometry. More specifically, computational topology, computational geometry, graph algorithms, combinatorial optimization, combinatorial geometry, topological combinatorics.

## Employment

2016–... CNRS research director at Laboratoire d’Informatique Gaspard Monge, Université Paris-Est Marne-la-Vallée (section 07)  
2004–2016 CNRS research scientist at the computer science department of École normale supérieure, Paris (ENS) (section 06 and/or 07)  
2001–2004 *Allocation couplée* (research and teaching grant for Ph.D. preparation) at ENS  
1997–2001 Student at ENS (*élève fonctionnaire stagiaire*)

## Education and Diploma

May 2012 *Habilitation à diriger des recherches* in computer science, ENS  
Dec. 2003 Ph.D. in algorithms, University Paris 7, prepared at the Computer Science Department of ENS. Advisor: Michel Pocchiola  
2000 DEA (advanced graduate class) in algorithms of University Paris 7  
1997–1999 Studies in mathematics at ENS: *Licence* (B.A.), *Maîtrise* (M.S.), *Agrégation* (national competitive exam for recruiting teachers)  
July 1997 Admission at ENS (mathematics section)  
July 1995 *Baccalauréat* (Scientific section)

## Distinctions and Awards

2013–2016 Recipient of the *Prime d’excellence scientifique* (without teaching requirement)  
2012 Best paper award at *Symposium on Computational Geometry* of ACM (2 awards from 44 accepted papers and 126 submissions) [6]  
2004 *Accessit* of Ph.D. thesis award of *Specif* (*Société des Personnels Enseignants-Chercheurs en Informatique de France*)  
2004 Ph.D. thesis award of *Association Française d’Informatique Fondamentale*

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## Publications (Each paper is listed only once, even if it appeared in multiple versions.)

### Book Chapter

- [1] Éric Colin de Verdière. Computational topology of graphs on surfaces. In Jacob E. Goodman, Joseph O'Rourke, and Csaba Toth, editors, *Handbook of Discrete and Computational Geometry*, chapter 25. CRC Press LLC, third edition, 2017, to appear.

### Journal Articles

- [2] Éric Colin de Verdière. Multicuts in planar and bounded-genus graphs with bounded number of terminals. *Algorithmica*, to appear, 2017.  
Invited to special issue of this journal after preliminary version in *Proceedings of the European Symposium on Algorithms (ESA)*, volume 9294 of *Lecture Notes in Computer Science*, pages 373–385, 2015.
- [3] Sergio Cabello, Éric Colin de Verdière, and Francis Lazarus. Finding shortest non-trivial cycles in directed graphs on surfaces. *Journal of Computational Geometry*, 7(1):123–148, 2016.  
Preliminary version in *Proceedings of the 26th Annual Symposium on Computational Geometry (SOCG)*, ACM, pages 156–165, 2010.
- [4] Benjamin A. Burton, Éric Colin de Verdière, and Arnaud de Mesmay. On the complexity of immersed normal surfaces. *Geometry and Topology*, 20:1061–1083, 2016.
- [5] Éric Colin de Verdière, Alfredo Hubard, and Arnaud de Mesmay. Discrete systolic inequalities and decompositions of triangulated surfaces. *Discrete & Computational Geometry* 53(3):587–620, 2015.  
Preliminary version in *Proceedings of the 30th Annual Symposium on Computational Geometry (SOCG)*, ACM, pages 335–344, 2014.
- [6] Éric Colin de Verdière, Grégory Ginot, and Xavier Goaoc. Multinerves and Helly numbers of acyclic families. *Advances in Mathematics* 253:163–193, 2014.  
Preliminary version in *Proceedings of the 28th Annual Symposium on Computational Geometry (SOCG)*, ACM, pages 209–218, 2012. **Best paper award.**
- [7] Éric Colin de Verdière and Arnaud de Mesmay. Testing graph isotopy on surfaces. *Discrete & Computational Geometry* 51(1):171–206, 2014.  
Preliminary version in *Proceedings of the 28th Annual Symposium on Computational Geometry (SOCG)*, ACM, pages 141–150, 2012.
- [8] Alexandre Boulch, Éric Colin de Verdière, and Atsuhiko Nakamoto. Irreducible triangulations of surfaces with boundary. *Graphs and Combinatorics* 29(6):1675–1688, 2013.
- [9] Sergio Cabello, Éric Colin de Verdière, and Francis Lazarus. Algorithms for the edge-width of an embedded graph. *Computational Geometry: Theory and Applications*, 45:215–224, 2012.  
Invited to special issue of this journal after preliminary version (under slightly different title) in *Proceedings of the 26th Annual Symposium on Computational Geometry (SOCG)*, ACM, pages 147–155, 2010.
- [10] Sergio Cabello, Éric Colin de Verdière, and Francis Lazarus. Finding cycles with topological properties in embedded graphs. *SIAM Journal on Discrete Mathematics*, 25:1600–1614, 2011.
- [11] Éric Colin de Verdière and Alexander Schrijver. Shortest vertex-disjoint two-face paths in planar graphs. *ACM Transactions on Algorithms*, 7(2), Article No. 19, 2011.  
Preliminary version in *Proceedings of the 25th Annual International Symposium on Theoretical Aspects of Computer Science (STACS)*, pages 181–192, 2008.
- [12] Éric Colin de Verdière and Jeff Erickson. Tightening non-simple paths and cycles on surfaces. *SIAM Journal on Computing*, 39(8):3784–3813, 2010.  
Preliminary version in *Proceedings of the 17th Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, pages 192–201, 2006.

- [13] Erin W. Chambers, Éric Colin de Verdière, Jeff Erickson, Sylvain Lazard, Francis Lazarus, and Shripad Thite. Homotopic Fréchet distance between curves — or, walking your dog in the woods in polynomial time. *Computational Geometry: Theory and Applications*, 43:295–311, 2010.  
Invited to special issue of this journal after preliminary version (under slightly different title) in *Proceedings of the 24th Annual Symposium on Computational Geometry (SOCG)*, ACM, p. 101–109, 2008.
- [14] Erin W. Chambers, Éric Colin de Verdière, Jeff Erickson, Francis Lazarus, and Kim Whittlesey. Splitting (complicated) surfaces is hard. *Computational Geometry: Theory and Applications*, 41(1–2):94–110, 2008.  
Preliminary version in *Proceedings of the 22nd Annual Symposium on Computational Geometry (SOCG)*, ACM, pages 421–429, 2006.
- [15] Éric Colin de Verdière and Francis Lazarus. Optimal pants decompositions and shortest homotopic cycles on an orientable surface. *Journal of the ACM*, 54(4):Article No. 18, 2007.  
Preliminary version in *Proceedings of the 11th Annual Symposium on Graph Drawing (GD)*, volume 2912 of *Lecture Notes in Computer Science*, pages 478–490, 2003.
- [16] Pierre Alliez, Éric Colin de Verdière, Olivier Devillers, and Martin Isenburg. Centroidal Voronoi diagrams for isotropic surface remeshing. *Graphical Models*, 67(3):204–231, 2005.  
Invited to special issue of this journal after preliminary version in *Proceedings of the International Conference on Shape Modelling and Applications (SMI)*, pages 49–58, 2003.
- [17] Éric Colin de Verdière and Francis Lazarus. Optimal system of loops on an orientable surface. *Discrete & Computational Geometry*, 33(3):507–534, 2005.  
Preliminary version in *Proceedings of the 43rd Annual IEEE Symposium on Foundations of Computer Science (FOCS)*, pages 627–636, 2002.
- [18] David Cohen-Steiner, Éric Colin de Verdière, and Mariette Yvinec. Conforming Delaunay triangulations in 3D. *Computational Geometry: Theory and Applications*, 28(2–3):217–233, 2004.  
Invited to special issue of this journal after preliminary version in *Proceedings of the 18th Annual Symposium on Computational Geometry (SOCG)*, ACM, pages 199–208, 2002.
- [19] Éric Colin de Verdière, Michel Pocchiola, and Gert Vegter. Tutte’s barycenter method applied to isotopies. *Computational Geometry: Theory and Applications*, 26(1):81–97, 2003.  
Invited to special issue of this journal after preliminary version in *Abstracts for the 13th Canadian Conference on Computational Geometry (CCCG)*, pages 57–60, 2001.

### Articles in International Conferences with Refereeing (when no journal version is available)

- [20] Éric Colin de Verdière and Salman Parsa. Deciding contractibility of a non-simple curve on the boundary of a 3-manifold. In *Proceedings of the 28th ACM-SIAM Symp. on Discrete Algorithms (SODA)*, 2017, to appear.
- [21] Éric Colin de Verdière, Vojtěch Kaluža, Pavel Paták, Zuzana Patáková, and Martin Tancer. A direct proof of the strong Hanani-Tutte theorem on the projective plane. *Proceedings of the 24th International Symposium on Graph Drawing and Network Visualization (GD)*, pages 454–467, 2016.  
Invited to special issue of *Journal of Graph Algorithms and Applications* devoted to this conference; under review.
- [22] Vincent Cohen-Addad, Éric Colin de Verdière, Philip N. Klein, Claire Mathieu, and David Meierfrankfeld. Approximating connectivity domination in weighted bounded-genus graphs. In *Proceedings of the 48th ACM Symposium on the Theory of Computing (STOC)*, pages 584–597, 2016.
- [23] Éric Colin de Verdière. Shortest cut graph of a surface with prescribed vertex set. In *Proceedings of the 18th European Symposium on Algorithms (ESA)*, part 2, volume 6347 of *Lecture Notes in Computer Science*, pages 100–111, 2010.

## Miscellaneous Publications

- [24] Éric Colin de Verdière and Arnaud de Mesmay. De la carte au territoire ? *Images des Mathématiques*, CNRS, 2014. Popularization article (in French) based on [7].
- [25] Éric Colin de Verdière. Algorithms for embedded graphs. Course notes, 2008–2016. Available at <http://monge.univ-mlv.fr/~colinde/cours/all-algo-embedded-graphs.pdf>.
- [26] Éric Colin de Verdière. *Topological algorithms for graphs on surfaces*. Habilitation thesis, École normale supérieure, May 2012.  
Referees: Victor Chepoi, Bojan Mohar, Jack Snoeyink.  
Examiners: Jean-Daniel Boissonnat, Victor Chepoi, Michel Habib (chair), Sylvain Petitjean, Jean Ponce, Gilles Schaeffer, Jean-Marc Schlenker.
- [27] Éric Colin de Verdière. *Raccourcissement de courbes et décomposition de surfaces*. Ph.D. thesis, University Paris 7, December 2003.  
Referees: Herbert Edelsbrunner, Günter Rote, Marie-Françoise Roy.  
Examiners: Christian Choffrut (chair), Christiane Frougny, Michel Pocchiola (advisor), Günter Rote, Marie-Françoise Roy, Brigitte Vallée.

## Long Visits (each of at least two weeks)

- 2012 18-day visit at University of Queensland, Brisbane (Australia), as “Ethel Raybould Visiting Fellow”; work with Benjamin Burton
- 2005–2006 2 visits of 2 weeks at University of Illinois at Urbana-Champaign (UIUC), work with Jeff Erickson
- 2004 6-month visit at CWI Amsterdam (Netherlands), work with Alexander Schrijver
- 2000 2-week visit at INRIA Sophia-Antipolis, work with David Cohen-Steiner and Mariette Yvinec
- 2000 3-month internship at University of Groningen (Netherlands), work with Gert Vegter
- 1999 3-month programming internship at Inria Nancy, work with Sylvain Lazard and Sylvain Petitjean

## Presentations

### Conference and Workshop Presentations, on Invitation

STOC-SOCG Workshop “Algorithms on topologically restricted graphs”, Boston (June 2016) – Workshop “Computational geometric and algebraic topology”, Oberwolfach (Oct. 2015) – ANR EGOS, Bordeaux (Nov. 2014) – Workshop “Knot theory: Algorithms, complexity and computation” (Shonan, Japan, Apr. 2014) – ANR EGOS, École Polytechnique (Nov. 2013) – Journées Informatique et Géométrie (1-hour plenary talk, Nancy, Nov. 2013) – Philippe Flajolet Combinatorics Seminar (Paris, Oct. 2013) – Scientific Council of INS2I–CNRS, Paris (May 2013) – Journées Graphes et Algorithmes (1-hour plenary talk, Marseille, Nov. 2010) – Workshop “High-Complexity Discrete Geometry” (Berlin, Germany, Oct. 2011, poster presentation) – SIAM Symposium on Discrete Mathematics (Austin, USA, June 2010) – Subdivide and Tile (Leiden, Netherlands, Nov. 2009, poster presentation) – Spécif workshop (Clermont-Ferrand, Jan. 2005) – Autour de l’Homotopie (Paris, Mar. 2003) (2 talks) – Journées Nationales de Calcul Formel (Marseille, Jan. 2003) – Journées du GDR ALP (Paris, Jan. 2003) – Planar Maps CGAL days (Inria Sophia-Antipolis, Nov. 1999)

### Invited Talks at Math. or CS Departments

Geometry Seminar of Institut Mathématique de Jussieu (Dec. 2016) – G-Scop, Grenoble (Oct. 2016) – École normale supérieure de Lyon (Jan. 2016) – CS Laboratory, Marseille (June 2015) – Yokohama topological graph theory seminar (Apr. 2014) – Mathematics Department, Marseille (Jan. 2014) – IST Vienna, Austria (Aug. 2013) – LIGM, Marne-la-Vallée (Dec. 2012) – University of Queensland (seminar, July 2012) – University of

Queensland (colloquium, June 2012) – LIAFA, Université Paris 7 (Jan. 2011) – Clermont-Ferrand (May 2010) – Inria Nancy (May 2009) – LIRMM, Montpellier (Dec. 2008) – École normale supérieure de Lyon (Dec. 2008) – Clermont-Ferrand (Oct. 2006) – University of Illinois at Urbana-Champaign, USA (Nov. 2005) – Ljubljana, Slovenia (May 2005) – Inria Nancy (Oct. 2004) – CWI, Amsterdam, Netherlands (two talks, Apr. 2004) – LRI, Orsay (Apr. 2004) – EHESS, Paris (Nov. 2003) – Univ. Bourgogne (Nov. 2003) – Combinatorics Seminar of Univ. Paris 6 (June 2003) – CS Laboratory, Marseille (Mar. 2003) – Inria Sophia-Antipolis (Apr. 2002) – CS Students seminar of ENS (Jan. 2002) – University of Groningen, Netherlands (July 2000) – Inria Lorraine (Feb. 2000)

## Other Conference and Workshop Presentations

Journées Informatique et Géométrie (Marne-la-Vallée, Oct. 2015) – European Symposium on Algorithms (ESA) (Patras, Greece, Sep. 2015) – Symposium on Computational Geometry (SOCG), ACM (Chapel Hill, USA, June 2012) – Journées de Géométrie Algorithmique (Cluny, Apr. 2012) – Workshop on Triangulations (Inria Sophia-Antipolis, Dec. 2010) – European Symposium on Algorithms (ESA) (Liverpool, UK, Sep. 2010) – Symposium on Computational Geometry (SOCG), ACM (Snowbird, USA, June 2010) – Symposium on Theoretical Aspects of Computer Science (STACS) (Bordeaux, Feb. 2008) – Journées de Géométrie Algorithmique (Le Bessat, Jan. 2006) – ACM-SIAM Symposium on Discrete Algorithms (SODA) (Miami, USA, Jan. 2006) – Géométrie Algorithmique et Discrète (Paris, Oct. 2005) – Géométrie Algorithmique et Discrète (Marne-la-Vallée, Sep. 2004) – International Symposium on Graph Drawing (Perugia, Italy, Sep. 2003) – Journées Graphes et Algorithmes (Dijon, Apr. 2003) – IEEE Symposium on Foundations on Computer Science (FOCS) (Vancouver, Canada, Nov. 2002) – ECG workshop (Inria Sophia-Antipolis, Oct. 2002) – Journées de Géométrie Algorithmique (Obernai, Oct. 2002) – European Workshop on Computational Geometry (EuroCG) (Warsaw, Poland, Oct. 2002) – Journées de Géométrie Algorithmique (Masgrangeas, Oct. 2001) – ECG workshop (Leiden, Netherlands, Oct. 2001) – ARC “3D visibility” (Paris, Sep. 2001) – Canadian Conference on Computational Geometry (CCCG) (Waterloo, Canada, Aug. 2001) – Journées de Géométrie Algorithmique (Marseille, Oct. 2000) – ARC “Géométrica” (Paris, Feb. 2000)

## Collaboration Projects

- 2012–2017 Participant of the *RDAM* project (*Algorithmic Techniques for Restricted Data Access Models*), funded by French ANR (National Research Agency). PI: Frédéric Magniez
- 2009–2010 PI, with Sergio Cabello, of a bilateral project *Algorithms for Graphs on Surfaces (Partenariat Hubert Curien)*
- 2007–2011 Participant of the *Triangles* project (*New Challenges in Triangulations*), funded by French ANR. PI: Olivier Devillers
- 2005–2008 Participant of the *GeoTopAl* project (*Topology, Differential Geometry, and Algorithms*), funded by ANR. PI: Frédéric Chazal
- 2005–2007 PI, with Jeff Erickson, of a project *Optimization Problems in Computational Topology*, funded by CNRS, INRIA, and University of Illinois at Urbana-Champaign
- 2000–2004 Participant of the European project *ECG (Effective Computational Geometry for Curves and Surfaces)*
- 1999–2000 Participant of the ARC project *Visibilité 3D*
- 1999–2000 Participant of the ARC project *Géométrica (Axiomatization of Geometric Algorithms)*

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## Teaching

At Université Paris-Est Marne-la-Vallée:

2016 12 hours exercise session in 4th-year level on “complexity of problems”

At ENS and/or within *Master Parisien de Recherche en Informatique* (MPRI):

2008–... 12 hours/year lecture in 5th-year level on algorithms for graphs on surfaces  
2006–2008 20 hours/year exercise sessions on Discrete and Computational Geometry (4th-year level)

At University Paris 7:

2003–2004 28 hours exercise sessions on Unix and Automata at level *DEUG MIAS 2* (2nd-year level)  
2002–2004 56 hours exercise sessions on Algorithms at level *Licence* (3rd-year level) of Computer Science  
2002–2003 3 hours lecture on Computational Topology of Surfaces at level *DEA* (5th-year level) Algorithms  
2002–2003 42 hours exercise and lab sessions in Mathematics at level *IUP 1* (1st-year level)  
2001–2002 80 hours exercise and lab sessions in Computer Science at level *DEUG MIAS 1* (1st-year level)

Other:

2000–2001 47 hours oral exam in Mathematics for students in *classes préparatoires* (1st and 2nd-year level) in a private institute  
1998–1999 30 hours oral exam in Mathematics in *classes préparatoires MPSI* (1st-year level)

## Student and Post-Doc Supervision

2011–2014 Arnaud de Mesmay, Ph.D. student (co-advised with Jean Ponce in 2011–2012) [4,5,7,24], now CNRS researcher at Gipsa-Lab, Grenoble

2015–2016 Salman Parsa, post-doc [20]

2012–2013 Alfredo Hubbard, post-doc [5], now assistant professor at LIGM, Université de Marne-la-Vallée

2016 Thomas Magnard, *M2* (pre-doctoral) 4.5-month internship

2014 Stephen Kiazyk, Google Summer of Code, co-advised with Sébastien Lorient

2014 Marc de Visme, *M1* reading project in Mathematics, 5 months

2013 Nicholas Gaya, *M1* 2-month internship, co-advised with Claire Mathieu

2012 Ambroise Marigot, *M1* 2-month internship

2011 Arnaud de Mesmay, *M2* (pre-doctoral) 4.5-month internship

2011 Nicolás Matte Bon and Florent Urrutia, *M1* reading project in Mathematics, co-advised with Pierre Pansu, 5 months

2010 Alexandre Boulch, *M1* 5-month internship [8]

2010 Floriane Dardard and Damien Garreau, *M1* reading project in Mathematics, co-advised with Pierre Pansu, 5 months

2009 Nathanaël François and David Gontier, *M1* reading project in Mathematics, co-advised with Pierre Pansu, 5 months

2008 Preyas Popat, *L3* 2-month internship

2008 Arnaud de Mesmay and Michaël Monerau, *M1* reading project in Mathematics, co-advised with Pierre Pansu, 5 months

2007 Laurent Jouhet, *M2* (pre-doctoral) 5-month internship

2004–2016 *Tuteur* (informal advisor) for a few students at ENS

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## Team Responsibility

2015–2016 Head of the Talgo research team at the CS dept. of ENS  
2009–2012 Head of the GéCoal research team at the CS dept. of ENS

## Diploma Committees

Habilitation thesis committees: Lionel Pournin (Paris, 2013), Benjamin Lévêque (Grenoble, 2016).

Ph.D. theses committees: Valentin Garnero (Montpellier, 2016, reviewer), Mikhail Bogdanov (Nice, 2013), Guillaume Batog (Nancy, 2011), Nicolas Catusse (Marseille, 2011), Manuel Caroli (Nice, 2010), Jean-Marie Favreau (Clermont-Ferrand, 2009).

Qualification committee (after first year of Ph.D. program): Isaac Mabillard (IST Vienna, Austria, 2013).

## Editorial Service in Journals and Conferences

Managing Editor for the *European Journal of Combinatorics* since 2012 (Executive Editor since 2016). In charge of the submission and refereeing process, in close cooperation with the two Editors in Chief.

Program Committee membership:

- 2017 European Workshop on Computational Geometry (EuroCG), Malmö, Sweden
- 2017 International Conference on Algorithms and Complexity (CIAC), Athens, Greece
- 2016 Symposium on Computational Geometry (SOCG), Boston
- 2015 International Colloquium on Automata, Languages, and Programming (ICALP), Kyoto, Japan
- 2015 European Workshop on Computational Geometry (EuroCG), Ljubljana, Slovenia
- 2011 Symposium on Computational Geometry (SOCG), ACM, Paris
- 2009 ACM-SIAM Symposium on Discrete Algorithms (SODA), New York
- 2008 Computational Topology in Image Context (CTIC), Poitiers

Referee for: Discrete & Computational Geometry (5) – Computational Geometry: Theory and Applications (7) – SIAM Journal on Computing (2) – Bulletin of the London Mathematical Society (1) – Journal of Differential Geometry (1) – Journal on Combinatorial Theory, Series B (1) – Algorithmica (1) – Journal of Computational Geometry (1) – Journal of Discrete Algorithms (1) – Discrete Optimization (1) – Electronic Journal of Combinatorics (1) – Graphs and Combinatorics (1) – Theory of Computing Systems (1) – Computer Aided Geometric Design (1) – IEEE Transactions on Visualization and Computer Graphics (1) – book chapters (3)

External reviewer for: Symposium on Computational Geometry (SOCG), 2002, 2006, 2008, 2009, 2010, 2012, 2013, 2014, 2015 (16) – ACM-SIAM Symposium on Discrete Algorithms (SODA) 2007, 2010, 2011, 2012, 2013, 2015, 2017 (9) – Symposium on Theoretical Aspects of Computer Science (STACS) 2007, 2008, 2009, 2010 (6) – European Symposium on Algorithms (ESA) 2009, 2010, 2014 (4) – ACM Symposium on the Theory of Computing (STOC) 2014, 2015 (2) – IEEE Symposium on Foundations of Computer Science (FOCS) 2015 (1) – International Conference on Automata, Languages, and Programming (ICALP) 2016 (1) – International Symposium on Algorithms and Computation (ISAAC) 2014 (1) – International Symposium on Mathematical Foundations of Computer Science (MFCS) 2014 (1) – Conference on Real Numbers and Computers (RNC) 2006 (1) – Eurographics 2011 (1) – SIAM Conference on Geometric and Physical Modeling 2011 (1)

## Evaluation of Submitted Research Projects

External reviewer for five projects submitted to ANR (National Research Agency), one project for the French Ministry of Foreign and European Affairs, and one project within a Labex.

## Organization of Scientific Events

- 2016 Organization of the *École de Printemps d'Informatique Théorique* in Marseille (with Gilles Schaeffer)
- 2015 Organisation a workshop *Computational Geometry in non-Euclidean spaces* in Nancy (with Jean-Marc Schlenker and Monique Teillaud)
- 2014–... Organization of the *Discrete and Computational Geometry seminar* in Paris (with Xavier Goaoc and Michel Pocchiola; 20 talks per year)
- 2010 Organization of the *French Computational Geometry Week* in Marseille (with Boris Thibert)
- 2005 Organization at ENS of a workshop of the project *Optimization Problems in Computational Topology*

## Various Committees

National committee:

- 2011–2015 Appointed member of the French *Conseil National des Universités*, section 27 (computer science), in charge of qualification and promotion of junior university professors

Hiring committees (Section 27):

- 2013 Member of the hiring committee of temporary researcher at ENS
- 2007–2017 (2007, 2009, 2011, 2017) Member of the hiring committee of assistant professor at University Nancy (1 and/or 2)
- 2011 Member of the hiring committee of assistant professor at École Polytechnique—CNRS
- 2010 Member of the hiring committee of assistant professor at ENS
- 2007 Member of the hiring committee of assistant professor at ENS (substitute)

Other local committees:

- 2008–2016 Member of the laboratory committee of the CS department at ENS

## Miscellaneous

- 2012–2016 Delegate of the CS department at ENS for the relations with the library
- 2009–2010 Examiner for entrance exams to ENS (Computer Science, written part)
- 2007–2016 Webmaster of `www.di.ens.fr`