

# Florent Foucaud

*Post-doctoral researcher in  
Graph Algorithms and Graph Theory*

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<https://ffoucaud.github.io>  
Born March 19th, 1986  
Nationalities: French, German



(CV updated March 2, 2020)

## Education and Employment

- 09.2019–  
today     **Postdoctoral researcher, ANR HOSIGRA (HOMomorphisms of Signed GRaphs),**  
LaBRI, Université de Bordeaux, France,  
Advisor: Éric Sopena.
- 03.2019–  
07.2019     **Teaching assistant,**  
Departments of Computer Science at IUT d'Orléans and Université d'Orléans, Orléans (France),  
Teaching: 128h eqTD.
- 01.2019–  
03.2019     **Visiting researcher,**  
Research stays at IIT Madras, ISI Kolkata and IIT Dharwad (India).
- 01.2018–  
12.2018     **Postdoctoral researcher, I-SITE CAP 20-25,**  
LIMOS, Université Clermont Auvergne, Clermont-Ferrand, France,  
Advisor: Lhouari Nourine.
- 03.2016–  
12.2017     **Independent researcher,**  
Various research stays including at Thompson Rivers University (Kamloops, Canada) and Universidad Autonoma de Mexico (Querétaro, Mexico).
- 11.2014–  
02.2016     **Postdoctoral researcher, Région Auvergne,**  
LIMOS, Université Blaise Pascal, Clermont-Ferrand, France,  
Advisor: Laurent Beaudou.
- 01.2014–  
12.2014     **Postdoctoral researcher,**  
Department of Mathematics, University of Johannesburg, South Africa & LAMSADE, Université Paris-Dauphine, France,  
Advisor: Michael A. Henning.
- 02.2013–  
12.2013     **Postdoctoral researcher,**  
Combgraph team, Universitat Politècnica de Catalunya (UPC), Barcelona, Spain,  
Advisors: Camino Balbuena and Oriol Serra.
- 09.2009–  
12.2012     **PhD in Computer Science and teaching assistant,**  
LaBRI, Université Bordeaux 1, France, “mention Très Honorable”.  
Advisors: Ralf Klasing and André Raspaud.  
Thesis: Combinatorial and algorithmic aspects of identifying codes in graphs.  
Teaching: 192h eqTD at the Departement of Computer Science of IUT Bordeaux 1.
- 2007–2009     **Master in Computer Science, speciality “Algorithms and Formal Methods”,**  
Université Bordeaux 1, France, “mention Très Bien”.  
Advisors: Ralf Klasing and André Raspaud.  
Thesis: Identifying codes in special graph classes.

## Publications: journal articles

- [J32] F. Foucaud, S. Heydarshahi, A. Parreau. Domination and location in twin-free digraphs. *Discrete Applied Mathematics*, accepted. (arXiv link)
- [J31] A. Dailly, F. Foucaud, A. Hansberg. Strengthening the Murty-Simon conjecture on diameter 2 critical graphs. *Discrete Mathematics* 342(11):3142–3159, 2019. (DOI link)
- [J30] L. Beaudou, R. C. Brewster, F. Foucaud. Broadcast domination and multipacking: bounds and the integrality gap. *Australasian Journal of Combinatorics* 74(1):86–97, 2019. (www link)

- [J29] L. Beaudou, F. Foucaud, R. Naserasr. Homomorphism bounds of signed bipartite  $K_4$ -minor-free graphs and edge-colourings of  $2k$ -regular  $K_4$ -minor-free multigraphs. *Discrete Applied Mathematics* 261:40–51, 2019. (DOI link)
- [J28] C. Bazgan, F. Foucaud, F. Sikora. Parameterized and approximation complexity of PARTIAL VC DIMENSION. *Theoretical Computer Science* 766:1–15, 2019. (DOI link)
- [J27] É. Bonnet, F. Foucaud, E. Kim, F. Sikora. Complexity of Grundy coloring and its variants. *Discrete Applied Mathematics* 243:99–114, 2018. (DOI link)
- [J26] L. Beaudou, P. Dankelmann, F. Foucaud, M. A. Henning, A. Mary and A. Parreau. Bounding the order of a graph using its diameter and metric dimension: a study through tree decompositions and VC dimension. *SIAM Journal on Discrete Mathematics* 32(2):902–918, 2018. (DOI link)
- [J25] F. Foucaud, R. Klasing. Parameterized and approximation complexity of the detection pair problem in graphs. *Journal of Graph Algorithms and Applications* 21(6):1039–1056, 2017. (DOI link)
- [J24] F. Foucaud, A. Harutyunyan, P. Hell, S. Legay, Y. Manoussakis, R. Naserasr. The complexity of tropical graph homomorphisms. *Discrete Applied Mathematics* 229:64–81, 2017. (DOI link)
- [J23] L. Beaudou, F. Foucaud, R. Naserasr. Homomorphism bounds and edge-colourings of  $K_4$ -minor-free graphs. *Journal of Combinatorial Theory, Series B* 124:128–164, 2017. (DOI link)
- [J22] F. Foucaud, G. B. Mertzios, R. Naserasr, A. Parreau, P. Valicov. Identification, location-domination and metric dimension on interval and permutation graphs. II. Complexity and algorithms. *Algorithmica* 78(3):914–944, 2017. (DOI link)
- [J21] F. Foucaud, G. B. Mertzios, R. Naserasr, A. Parreau, P. Valicov. Identification, location-domination and metric dimension on interval and permutation graphs. I. Bounds. *Theoretical Computer Science* 668:43–58, 2017. (DOI link)
- [J20] O. Baudon, J. Bensmail, F. Foucaud, M. Pilśniak. Structural properties of recursively partitionable graphs with connectivity 2. *Discussiones Mathematicae Graph Theory* 37(1):89–115, 2017. (DOI link)
- [J19] F. Foucaud, G. Perarnau, O. Serra. Random subgraphs make identification affordable. *Journal of Combinatorics* 8(1):57–77, 2017. (DOI link)
- [J18] R. C. Brewster, F. Foucaud, P. Hell, R. Naserasr. The complexity of signed and edge-coloured graph homomorphisms. *Discrete Mathematics* 340(2):223–235, 2017. (DOI link)
- [J17] F. Foucaud, M. A. Henning. Location domination in line graphs. *Discrete Mathematics* 340(1):3140–3153, 2017. (DOI link)
- [J16] F. Foucaud, M. A. Henning. Locating-total dominating sets in twin-free graphs: a conjecture. *The Electronic Journal of Combinatorics* 23(3):P3.9, 2016. (www link)
- [J15] F. Foucaud, M. A. Henning. Location-domination and matching in cubic graphs. *Discrete Mathematics* 339(4):1221–1231, 2016. (DOI link)
- [J14] F. Foucaud, M. A. Henning, C. Löwenstein, T. Sasse. Locating-dominating sets in twin-free graphs. *Discrete Applied Mathematics* 200:52–58, 2016. (DOI link)
- [J13] C. Balbuena, F. Foucaud, A. Hansberg. Locating-dominating sets and identifying codes in graphs of girth at least 5. *The Electronic Journal of Combinatorics* 22(2):P2.15, 2015. (www link)
- [J12] F. Foucaud. Decision and approximation complexity for identifying codes and locating-dominating sets in restricted graph classes. *Journal of Discrete Algorithms* 31:48–68, 2015. (DOI link)
- [J11] F. Foucaud, M. Krivelevitch, G. Perarnau. Large subgraphs without short cycles. *SIAM Journal on Discrete Mathematics* 29(1):65–78, 2015. (DOI link)
- [J10] F. Foucaud, R. Klasing, P. J. Slater. Centroidal bases in graphs. *Networks* 64(2):96–108, 2014. (DOI link)
- [J9] F. Foucaud, T. Laihonen, A. Parreau. An improved lower bound for  $(1, \leq 2)$ -identifying codes in the king grid. *Advances in Mathematics of Communications* 8(1):35–52, 2014. (DOI link)
- [J8] O. Baudon, F. Foucaud, J. Przybyło, M. Woźniak. On the structure of arbitrarily partitionable graphs with given connectivity. *Discrete Applied Mathematics* 162:381–385, 2014. (DOI link)
- [J7] F. Foucaud, M. Kovše. Identifying path covers in graphs. *Journal of Discrete Algorithms* 23:21–34, 2013. (DOI link)
- [J6] F. Foucaud, S. Gravier, R. Naserasr, A. Parreau, P. Valicov. Identifying codes in line graphs. *Journal of Graph Theory* 73(4):425–448, 2013. (DOI link)
- [J5] F. Foucaud, R. Naserasr, A. Parreau. Characterizing extremal digraphs for identifying codes and extremal cases of Bondy’s theorem on induced subsets. *Graphs and Combinatorics* 29(3):463–473, 2013. (DOI link)

- [J4] F. Foucaud, R. Klasing, A. Kosowski, A. Raspaud. Bounds on the size of identifying codes in triangle-free graphs. *Discrete Applied Mathematics* 160(5-6):1532–1546, 2012. (DOI link)
- [J3] F. Foucaud, I. Honkala, T. Laihonen, A. Parreau, G. Perarnau. Locally identifying colourings for graphs with given maximum degree. *Discrete Mathematics* 312(10):1832–1837, 2012. (DOI link)
- [J2] F. Foucaud, G. Perarnau. Bounds on identifying codes in terms of degree parameters. *The Electronic Journal of Combinatorics* 19:P32, 2012. (www link)
- [J1] F. Foucaud, E. Guerrini, M. Kovše, R. Naserasr, A. Parreau, P. Valicov. Extremal graphs for the identifying code problem. *European Journal of Combinatorics* 32(4):628–638, 2011. (DOI link)

## Publications: conferences with refereed proceedings

- [C13] D. Chakraborty, F. Foucaud, H. Gahlawat, S. K. Ghosh, B. Roy. Hardness and approximation for the geodetic set problem in some graph classes. Proceedings of the 6th International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2020). *Lecture Notes in Computer Science* 12016:102–115, 2020. (DOI link)
- [C12] F. Foucaud, R. Klasing, M. Miller, J. Ryan. Monitoring the edges of a graph using distances. Proceedings of the 6th International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2020). *Lecture Notes in Computer Science* 12016:28–40, 2020. (DOI link)
- [C11] L. Beaudou, F. Foucaud, R. Naserasr. Smallest not  $C_{2l+1}$ -colourable graphs of odd-girth  $2k+1$ . Proceedings of the 6th International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2020). *Lecture Notes in Computer Science* 12016:184–196, 2020. (DOI link)
- [C10] F. Foucaud, H. Hocquard, D. Lajou, V. Mitsou, T. Pierron. Parameterized complexity of edge-colored and signed graph homomorphism problems. Proceedings of the 14th International Symposium on Parameterized and Exact Computation (IPEC 2019). *Leibniz International Proceedings in Informatics (LIPIcs)* 148,15:1–15:16, 2019. (DOI link)
- [C9] L. Beaudou, F. Foucaud, L. Nourine, F. Madelaine, G. Richard. Complexity of regular path query homomorphisms. Proceedings of the 15th Conference on Computability in Europe, CIE 2019. *Lecture Notes in Computer Science* 11558:108–119, 2019. (DOI link)
- [C8] C. Bazgan, F. Foucaud, F. Sikora. On the approximability of PARTIAL VC DIMENSION. Proceedings of the 10th Annual International Conference on Combinatorial Optimization and Applications, COCOA 2016. *Lecture Notes in Computer Science* 10043:92–106, 2016. (DOI link)
- [C7] F. Foucaud, G. B. Mertzios, R. Naserasr, A. Parreau, P. Valicov. Algorithms and complexity for metric dimension and location-domination on interval and permutation graphs. Proceedings of the 41st Workshop on Graph-Theoretic Concepts in Computer Science, WG 2015. *Lecture Notes in Computer Science* 9224:456–471, 2016. (DOI link)
- [C6] É. Bonnet, F. Foucaud, E. Kim, F. Sikora. Complexity of Grundy coloring and its variants. Proceedings of the 21st International Conference on Computing and Combinatorics, COCOON 2015. *Lecture Notes in Computer Science* 9198:109–120, 2015. (DOI link)
- [C5] F. Foucaud, R. Naserasr. The complexity of signed graph homomorphisms and signed constraint satisfaction. Proceedings of the 11th Latin American Symposium on Theoretical Informatics, LATIN 2014. *Lecture Notes in Computer Science* 8392:526–537, 2014. (DOI link)
- [C4] F. Foucaud, G. Perarnau, O. Serra. Random subgraphs make identification affordable. Proceedings of the 7th European Conference on Combinatorics, Graph Theory and Applications, EUROCOMB 2013. *CRM Series* 16:415–420, 2013. (DOI link)
- [C3] F. Foucaud. The complexity of the identifying code problem in restricted graph classes. Proceedings of the 24th International Workshop on Combinatorial Algorithms, IWOCA 2013. *Lecture Notes in Computer Science* 8288:150–163, 2013. (DOI link)
- [C2] F. Foucaud, M. Kovše. On graph identification problems and the special case of identifying vertices using paths. Proceedings of the 23rd International Workshop on Combinatorial Algorithms, IWOCA 2012. *Lecture Notes in Computer Science* 7643:32–45, 2012. (DOI link)
- [C1] F. Foucaud, S. Gravier, R. Naserasr, A. Parreau, P. Valicov. Edge identifying codes. Proceedings of the 6th European Conference on Combinatorics, Graph Theory and Applications, EUROCOMB 2011. *Electronic Notes in Discrete Mathematics* 38:343–348, 2011. (DOI link)

## Publications: submitted work

- [S4] D. Chakraborty, S. Das, F. Foucaud, H. Gahlawat, D. Lajou, B. Roy. Complexity and algorithms for geodetic set in planar graphs and chordal graphs. Submitted.

- [S3] F. Foucaud, B. Gras, A. Perez, F. Sikora. Parameterized complexity of broadcast domination and multipacking in digraphs. Submitted.
- [S2] F. Dross, F. Foucaud, V. Mitsou, P. Ochem, T. Pierron. Complexity of planar signed graph homomorphisms to cycles. Submitted.
- [S1] S. Dey, F. Foucaud, S. C. Nandy, A. Sen. Discriminating codes in geometric setups. Submitted.

## Publications: work in preparation

- [P1] L. Beaudou, F. Foucaud, R. Naserasr, G. F. Royle. Small 4-chromatic graphs with specific girth conditions.
- [P2] F. Foucaud. Complexity of METRIC DIMENSION with respect to various graph classes and parameters.
- [P3] F. Foucaud, H. Hocquard, S. Mishra, N. Narayanan, R. Naserasr, É. Sopena, P. Valicov. Exact square coloring and injective coloring of subcubic graphs.
- [P4] Alcoloco team. The good, the bad, and the ugly: connected greedy colourings in various graph classes.
- [P5] F. Foucaud, R. Naserasr, R. Xu. Improved homomorphism bounds for (signed)  $K_4$ -minor-free graphs.
- [P6] F. Foucaud, S. Mishra, N. Narayanan, R. Naserasr. Exact square cliques and the maximum degree.
- [P7] F. Foucaud, S. Mishra, N. Narayanan, R. Naserasr, Rohini S. Signed cliques of given maximum degree.
- [P8] F. Foucaud, F. McInerney, A. Parreau. Identification problems on sparse graphs.

## Teaching

- 03.2020 Course on “Representation and encoding of information” (part on “coding of images/sounds/videos, data compression”), 1st year of Bsc at Université d’Orléans (5h).
- 12.2019 “scientific paper reading”, supervision of 4 CS Msc students at Université de Bordeaux (3h eqTD).
- 03.2019–06.2019 72h eqTD at CS Departement of IUT d’Orléans.
  - Basics of conception (GIT), DUT 1A, TP (12h).
  - Basics of conception (UML), DUT 1A, TP/TD (12h).
  - Databases (MySQL, PSQL, JDBC), DUT 1A, TD (14h) et TP (42h).
  - Human-Machine Interaction, DUT “année spéciale”, TD (12h).
  - Project tutoring, two groups, DUT 1A (4h eqTD).
- 03.2019–06.2019 56h eqTD at CS Departement of Université d’Orléans.
  - Course on “Representation and encoding of information” (part on “coding des images/sounds/videos, data compression”), 1st year of Science Bsc (5h).
  - Algorithmics of discrete structures, 2nd year of CS Bsc, TP (6h).
  - Representation and encoding of information, 1st year of Science Bsc, TP (18h).
  - Algorithms and Programming, 1st year of Science Bsc, TP (12h).
  - Tutoring of 12 interns at 3rd year of CS Bsc (24h eqTD).
- 2009–2012 192h eqTD at CS Department of IUT Bordeaux 1.
  - Linear algebra and geometry, Licence pro, cours/TD (40h).
  - UML and advanced object-oriented programming, DUT “année spéciale”, cours/TD (52h).
  - UML and conception, DUT 1A, cours/TD (28h).
  - System programming, DUT 2A, cours/TP (16h).
  - Java Enterprise Edition (JEE), DUT 2A, TP (16h).
  - Event-oriented programming in C#, DUT 1A, TP (20h).
  - Usage of computer systems, DUT 1A, TP (10h).
  - Algorithms and Programming, DUT 1A, TP (10h).

## Student supervision

- 2020 Master 2 internship of Sébastien Clauzel at LaBRI, Bordeaux. Topic: Complete colorings of signed graphs. Co-supervised with Éric Sopena.
- 2020 Master 2 internship of Sarah Vita Paardekooper at LaBRI, Bordeaux. Topic: Switching homomorphisms of signed digraphs. Co-supervised with Éric Sopena.
- 2018 Master 1 internship of Tristan Benoit at LIMOS, Clermont-Ferrand. Topic: Metric dimension of 2-trees. Co-supervised with Laurent Beaudou, Aurélie Lagoutte and Florent Madelaine.

## Scientific community-related activities

- Member of Programme Committee of the conference *IWOCA 2020*, Bordeaux, France, June 2020 <http://iwoca2020.labri.fr>.
- Member of Programme Committee of the “International Conference on Emerging Trends in Mathematical Sciences & Computing” (IEMSC-20), Calcutta, India, February 2020 <http://iemsc.uem.edu.in>.
- Active member of the organizing committees of the conferences *BWIC 2011* <http://bwic2011.labri.fr>, *SEA 2012* <http://sea2012.labri.fr> and *IWOCA 2020* <http://iwoca2020.labri.fr> (co-chair)
- Preliminary examiner (i.e. reviewer) of the PhD thesis of Tuomo Lehtilä, University of Turku, Finland, 2020.
- Invited as member of jury of PhD defense of Berenice Martinez-Barona, Universitat Politècnica de Catalunya, Spain, 2020.
- Refereed 28 papers for journals and 13 papers for conferences.

Journals: *Ars Combinatoria*, *Australasian Journal of Combinatorics* (x2), *Discrete Applied Mathematics* (x7), *Discrete Mathematics* (x3), *Discrete Mathematics & Theoretical Computer Science* (x2), *European Journal of Combinatorics*, *Information Processing Letters* (x2), *Journal of Combinatorial Mathematics and Combinatorial Computing*, *Journal of Graph Theory*, *Questiones Mathematicae*, *The Electronic Journal of Combinatorics* (x2), *Theoretical Computer Science* (x4), *Transactions on Combinatorics*.

Conferences: *IWOCA 2011*, *IC3 2011*, *IWOCA 2012*, *IWOCA 2013*, *FCT 2013*, *COCOA 2013*, *IWOCA 2014*, *WALCOM 2015*, *IPEC 2018*, *WAOA 2018*, *WG 2018*, *FCT 2019*, *WALCOM 2020*.

- Member of the funded research projects:

–*IDEA: Identifying coDes in Evolving grAphs*, ANR (PI: Ralf Klasing), 2009–2012 (<http://idea.labri.fr>)  
–*Arbitrarily decomposable graphs, PHC Polonium* (PI: Olivier Baudon), 2010–2012  
–*HOGRAFI: HOMomorphisms de GRAPhes Signés*, PEPS CNRS (PI: Reza Naserasr), 2012–2013 (<http://www.irif.fr/~reza/pmwiki/pmwiki.php?n=Site.PEPS2013>)  
–*IDIS: IdentificatIon dans les structures DIScrètes*, PEPS CNRS (PI: Aline Parreau), 2015  
–*HOSIGRA: HOMomorphisms of Signed GRAPhs*, ANR (PI: Reza Naserasr), 2018–2022 (<http://www.irif.fr/~hosigra/>)  
–*AGraHom: Applications of Graph Homomorphisms*, IFCAM - Indo-French Center for Applied Mathematics (PI: Sagnik Sen), 2018–2021

## Invited talks

- 12.2020 Invited as keynote speaker of the *International Conference in Graph Theory and its Applications*, Amrita University, Coimbatore, India (<https://www.amrita.edu/event/international-conference-graph-theory-and-its-applications-icgta20>).
- 02.2020 Indo-French pre-conference school of the 6th International Conference on Algorithms and Discrete Applied Mathematics (CALDAM'20), Hyderabad, India (<https://www.iith.ac.in/~caldam2020/conferenceschool.php>).  
*Identification problems on graphs: selected topics*. Invited short lecture.
- 02.2020 International Conference on Emerging Trends in Mathematical Sciences & Computing (IEMSC-20), Calcutta, India (<http://iemsc.uem.edu.in>).  
*Broadcast domination and multipacking in graphs*. Invited talk.
- 06.2014 SIAM conference on Discrete Mathematics 2014, Minneapolis, USA.  
*The complexity of signed graph homomorphisms*. Invited talk at the minisymposium MS6 - Graph Homomorphisms: Edge Colours, Signs, and Crossings ([https://meetings.siam.org/session/dsp\\_programsess.cfm?SESSIONCODE=19095](https://meetings.siam.org/session/dsp_programsess.cfm?SESSIONCODE=19095)).

## Selected international research visits

- 01.2019 Mathematics Department, Indian Institute of Technology Madras (Chennai, Inde).  
+02.2020 Host: N. Narayanan.  
(2 weeks.)
- 02.2020 Mathematics Department, Indian Institute of Technology Dharwad (Dharwad, Inde).  
(1 sem.) Host: Sagnik Sen.

02.2019 Computer Science Department, Indian Statistical Institute (Calcutta, Inde).  
+02.2020 Host: Sandip Das.  
(4 weeks.)  
11.2015 Mathematics Department, Universidad Autonoma de Mexico (Querétaro, Mexico).  
+12.2017 Host: Adriana Hansberg.  
(8 weeks)  
06.2014 Mathematics Department, Thompson Rivers University, (Kamloops, Canada).  
+06.2016 Host: Richard C. Brewster.  
(5 weeks)  
09.2012 Algorithms and Complexity theory team, TU Berlin (Berlin, Germany).  
+11.2013 Host: Rolf Niedermeier.  
(7 weeks)  
08.2011 Foundations of Computing and Discrete Mathematics team, Turun Yliopisto (Turku, Finland).  
(2 weeks) Host: Tero Laihonon.  
11.2010 Department of Discrete Mathematics, Akademia Górniczo-Hutnicza w. Krakowie (Krakow, Poland).  
(2 weeks) Host:: Monika Pilsniak, Mariusz Woźniak.  
10.2009 Department of Algorithms and System Modelling, Gdańsk University of Technology (Gdańsk, Poland).  
(1 week) Host: Adrian Kosowski.

## Language skills

French, German: native speaker

English: fluent

Spanish: intermediate

## Selected professional references

- Camino Balbuena  
Full Professor, Universitat Politècnica de Catalunya, Barcelona  
m.camino.balbuena@upc.edu
- Cristina Bazgan – Full Professor, LAMSADE, University of Paris-Dauphine  
bazgan@lamsade.dauphine.fr
- Laurent Beaudou – Assistant Professor, LIMOS, Université Clermont Auvergne  
beaudou@isima.fr
- Richard C. Brewster – Full Professor, Thomson Rivers University, Kamloops  
rcbrewster@tru.ca
- Pavol Hell – Full Professor, Simon Fraser University, Vancouver  
pavol@sfu.ca
- Michael A. Henning – Full Professor, University of Johannesburg  
mahenning@uj.ac.za
- Ralf Klasing – Directeur de Recherche CNRS (Senior Researcher), LaBRI, Université de Bordeaux  
ralf.klasing@labri.fr
- Tero Laihonon – Full Professor, Turku University, Finland  
terolai@utu.fi
- Florent Madelaine – Full Professor, Université Paris-Est Créteil, France  
florent.madelaine@u-pec.fr
- Reza Naserasr – Chargé de Recherche CNRS (Researcher), IRIF, Université Paris-Diderot  
reza@lri.fr
- André Raspaud – Emeritus Professor, LaBRI, Université de Bordeaux  
andre.raspaud@labri.fr
- Oriol Serra – Full Professor, Universitat Politècnica de Catalunya, Barcelona  
oserra@ma4.upc.edu
- Éric Sopena – Full Professor, LaBRI, Université de Bordeaux  
eric.sopena@labri.fr