Curriculum Vitae

Celina Miraglia Herrera de Figueiredo

Full Professor www.cos.ufrj.br/∼celina/
Systems Engineering and Computer Science Program, COPPE
Federal University of Rio de Janeiro

Education

1987–1991	*Doctor in Computer Science*, Federal University of Rio de Janeiro, Brazil (visiting student in 1989 at University of Waterloo, under the supervision of Bruce Reed). Thesis: "A study on combinatorial problems in perfect graphs", supervised by Jayme Luiz Szwarcfiter.
1985–1987	*Master of Science by Research in Mathematics*, University of Manchester, UK. Dissertation: "The automorphism group of free metabelian nilpotent groups of rank 2", supervised by Roger Bryant.
1983–1984	*Master in Mathematics*, Pontifical Catholic University of Rio de Janeiro, Brazil. Dissertation: "Fundamental aspects of modern algebraic geometry", supervised by Stuart Price Turner.
1979–1982	*Bachelor in Mathematics*, Pontifical Catholic University of Rio de Janeiro, Brazil.

Academic career

SINCE 2012	*Full Professor*, COPPE, UFRJ.
2006–2011	*Associate Professor*, COPPE, UFRJ.
1995–1996	*Visiting Research Professor*, University of Waterloo, Canadá.
1991–2005	*Adjunct Professor*, Mathematics Institute and COPPE, UFRJ.
1989–1990	*Assistant Professor*, Mathematics Institute and COPPE, UFRJ.

Awards

2023	*Member*, Brazilian Academy of Sciences.
2021	*Cientist of Our State*, FAPERJ research agency of Rio de Janeiro.
2018	*Cientist of Our State*, FAPERJ research agency of Rio de Janeiro.
2018	*First best doctoral thesis*, Brazilian Society for Applied and Computational Mathematics, student: Ana Luísa Carvalho.
SINCE 2016	*Center of Excellence in Computer Science Chair*, FAPERJ research agency of Rio de Janeiro and CNPq national council for research.
2016	*Honored teacher for Systems Engineering and Computer Science*, Polytechnic School, UFRJ
2015	*Cientist of Our State*, FAPERJ research agency of Rio de Janeiro
2013	*50 years of COPPE award*, COPPE, UFRJ
2012	*Cientist of Our State*, FAPERJ research agency of Rio de Janeiro
2010–2012	*Center of Excellence in Computer Science Chair*, FAPERJ research agency of Rio de Janeiro and CNPq national council for research.
2010	*Third best doctoral thesis*, Brazilian Society for Applied and Computational Mathematics, student: Letícia Rodrigues Bueno.
2010	*Second best doctoral thesis*, Brazilian Computer Society, student: Letícia Rodrigues Bueno.
2009	*Cientist of Our State*, FAPERJ research agency of Rio de Janeiro

2007 *Cientist of Our State*, FAPERJ research agency of Rio de Janeiro

2007 *Second best doctoral thesis*, Brazilian Computer Society, student: Vinícius Gusmão Pereira de Sá.

2007 *Third best doctoral thesis*, Federal research agency, student: Vinícius Gusmão Pereira de Sá.

2004 *Second best master dissetation*, Brazilian Computer Society, student: Vinícius Gusmão Pereira de Sá.

2006 *COPPE prize for Academic Merit 2005*, COPPE/UFRJ;

2003 *Third best doctoral thesis*, Brazilian Computer Society, student: Simone Dantas de Souza.

Distinctions

2022 *Opening lecture, School of Applied Mathematics – Getulio Vargas foundation.*

2019 *Keynote speaker, Brazilian Society for Applied and Computational Mathematics Annual Conference.*

2019 *Scientific Committee chair, Brazilian Conference for Women in Mathematics.*

2019 *Session on Graph Theory chair, First Joint Meeting Brazil — France in Mathematics.*

2018 *General chair, Latin American Workshop on Cliques in Graphs.*

2017 *Plenary speaker, Latin-American Algorithms, Graphs and Optimization Symposium.*

2010 *"Centenary of Celina + Frédéric" conference*, IMAG, Grenoble, France.

2010 *General chair, Latin American Workshop on Cliques in Graphs.*

2009 *Plenary speaker, Latin-American Algorithms, Graphs and Optimization Symposium.*

2005 *Program Committee chair, Brazilian Symposium on Graphs, Algorithms and Combinatorics.*

2002 *General chair, Latin American Workshop on Cliques in Graphs.*

CNPq national council for research productivity grant

SINCE 2012 *level 1A (top level).*

2003–2012 *level 1B.*

2000–2003 *level 1C.*

1998–2000 *level 2A.*

1994–1998 *level 2B (interrupted July 1995–June 1996 due to Post-doctoral fellowship).*

1992–1994 *level 2C (entry level).*

Research project coordination

2021–2023 *FAPERJ Cientist of Our State* (E-26/200.970/2021), "Complexity of Combinatorial Problems; its distributed, Parallel, and Approximate Algorithms; and its Applications".

2016–2023 *FAPERJ/CNPq-PRONEX* (E-26/010.001271/2016), "Quantum, Approximate and Randomized Algorithms: Project, Analysis and Implementation of Efficient Solutions for Fundamental Combinatorial Problems".

2019–2023 *CNPq Universal* (407635/2018-1), "Complexity of Combinatorial Problems: the Polynomial versus NP-complete dichotomy".

2018–2021 *FAPERJ Cientist of Our State* (E-26/202.793/2017), "Complexity of Combinatorial Problems; its distributed, Parallel, and Approximate Algorithms; and its Applications".

2015–2018 *CNPq Universal* (442707/2014-2), "Complexity of Combinatorial Problems: the Polynomial versus NP-complete dichotomy".

2015–2017 *FAPERJ Cientist of Our State* (E-26/201.196/2014), "Complexity of Combinatorial Problems; its distributed, Parallel, and Approximate Algorithms; and its Applications".

2012–2014 *CNPq Universal* (472207/2011-3), "Complexity of Combinatorial Problems: the Polynomial versus NP-complete dichotomy".

2012–2014 *FAPERJ Cientist of Our State* (E-26/102.952/2011), "Complexity of Combinatorial Problems; its distributed, Parallel, and Approximate Algorithms; and its Applications".

2010–2011 *CNPq Universal* (472144/2009-0), "Complexity of Combinatorial Problems: the Polynomial versus NP-complete dichotomy".

2010–2012 *FAPERJ/CNPq-PRONEX* (E-26/110.550/2010), "Quantum, Approximate and Randomized Algorithms: Project, Analysis and Implementation of Efficient Solutions for Fundamental Combinatorial Problems".

2009–2011 *FAPERJ Cientist of Our State* (E-26/102.706/2008), "Complexity of Combinatorial Problems; its distributed, Parallel, and Approximate Algorithms; and its Applications".

2007–2009 *CNPq-Universal* (470932/2006-6), "Combinatorics and Algorithms".

2007–2008 *FAPERJ Cientist of Our State* (E-26/152.521/2006), "Complexity of Combinatorial Problems; its distributed, Parallel, and Approximate Algorithms; and its Applications".

2005–2006 *FAPERJ Cientist of Our State* (E-26/151.940/2004), "Complexity of Combinatorial Problems; its distributed, Parallel, and Approximate Algorithms; and its Applications".

2003–2005 *CNPq Universal* (472540/03-3), "Combinatorics and Algorithms".

2001–2004 *CAPES/COFECUB* (359/01), "Structures and Algorithms in Graph Theory".

2001 *FAPERJ* (E-26/171.554/01), "Latin American Workshop on Cliques in Graphs".

2001 *CNPq ARC* (450083/02-0(NV)), "Latin American Workshop on Cliques in Graphs".

2001 *CAPES PAEP* (0010/02-2), "Latin American Workshop on Cliques in Graphs".

1999–2000 *CNPq Integrated Project* (Proc. 520710/98-3), "Combinatorics and Algorithms".

Administration

All activities were performed at COPPE, UFRJ.

2011–2021 *Member of Comission for Faculty Evaluation of COPPE.*

2011–2014 *Representative at Deliberative Council of COPPE.*

2008–2016 *Academic Cooordinator of Systems Engineering and Computer Science Program.*

2007–2015 *Representative at Graduate Comission for Research of COPPE.*

2002–2006 *Financial Comission of Systems Engineering and Computer Science Program.*

1997–2004 *Founder and Coordinator of Algorithms and Combinatorics Departmente at the Systems Engineering and Computer Science Program.*

1997 *Website Coordinator.*

Service

2023 *Member of the Program Committee of LACIAM 2023.*

2023 *Member of the Scientific Committee of CBM 2023.*

SINCE 2022 *Member of the Editorial Committee of IMPA.*

SINCE 2022 *Member of the Editorial Board of SBMAC SpringerBriefs.*

2022 *Member of Program Committee of 47th International Symposium on Mathematical Foundations of Computer Science.*

SINCE 2021 *Member of the SBM/SBMAC Gender Committee.*

SINCE 2021 *Member of Editorial Board of Matemática Contemporânea.*

SINCE 2011 *Member of Editorial Board of RAIRO Theoretical Informatics and Applications.*

2021 *Member of Organizing and Scientific Committee of Colóquio Brasileiro de Matemática.*

2021 *Member of Program Committee of 32nd International Workshop on Combinatorial Algorithms.*

2020 *Member of Organizing and Scientific Committee of remote 9th Latin American Workshop on Cliques in Graphs.*

2020 *Member of Program Committee of 46th International Workshop on Graph-Theoretic Concepts in Computer Science.*

2019 *Scientific Committee Chair of Brazilian Conference for Women in Mathematics.*

2019 *Section on Graph Theory Chair, First Joint Meeting Brazil-France in Mathematics.*

2018 *Guest Editor of Matemática Contemporânea, volume 46, Proceedings of the 8th Latin American Workshop on Cliques in Graphs.*

2018 *General Chair of the 8th Latin American Workshop on Cliques in Graph, satellite event of ICM 2018 (International Congress of Mathematicians).*

2018 *Member of Program Committee of Latin American Theoretical Informatics.*

2018 *Member of Program Committee of 44th International Workshop on Graph-Theoretic Concepts in Computer Science.*

2017 *Guest Editor of Matemática Contemporânea, volume 45, Proceedings of the 7th Latin American Workshop on Cliques in Graphs.*

2016 *Member of Program Committee of International Workshop on Algorithms and Computation.*

2016 *Member of Program Committee of 42nd International Workshop on Graph-Theoretic Concepts in Computer Science.*

2016 *Guest Editor of Matemática Contemporânea, volume 44, Proceedings of the 6th Latin American Workshop on Cliques in Graphs.*

SINCE 2015 *Member of Steering Committee of Latin and American Algorithms, Graphs and Optimization Symposium.*

2012 *Member of Program Committee of 38th International Workshop on Graph-Theoretic Concepts in Computer Science.*

2012 *Guest Editor of Matemática Contemporânea, volume 42, Proceedings of the 5th Latin American Workshop on Cliques in Graphs.*

2010 *Guest Editor of Matemática Contemporânea, volume 39, Proceedings of the 4th Latin American Workshop on Cliques in Graphs.*

2010 *General Chair of the 4th Latin American Workshop on Cliques in Graphs.*

2005 *Guest Editor of Discrete Applied Mathematics, volume 156, GRACO2005 - The 2nd Brazilian Symposium on Graphs, Algorithms, and Combinatorics.*

2005 *Guest Editor of Electronic Notes in Discrete Mathematics, volume 7, Proceedings of GRACO2005 - The 2nd Brazilian Symposium on Graphs, Algorithms, and Combinatorics.*

2005 *Program Chair of 2nd Brazilian Symposium on Graphs, Algorithms, and Combinatorics.*

2003 *Guest Editor of Matemática Contemporânea, volume 25, Proceedings of the First Latin American Workshop on Cliques in Graphs.*

SINCE 2002 *Member of Steering Committee of Latin American Workshop on Cliques in Graphs.*

Supervised post doctoral fellows

All post doctoral fellows were supervised at Systems Engineering and Computer Science Program, COPPE, UFRJ, with grants from CNPq national council for research, unless mentioned otherwise.

2019, 2018 *Luís Felipe Ignácio Cunha*

2013 *Diana Sasaki de Souza Pereira*

2011 *Emilio Ashton Vital Brazil*

2011 *Marília Dias Vieira Braga (INMETRO)*

2010 *Letícia Rodrigues Bueno*

2009 *Murilo Vicente Gonçalves da Silva*

2008, 2009 *Guilherme Dias da Fonseca*

2008, 2009 *Rafael Bernardo Teixeira*

2006, 2007 *Vinícius Gusmão Pereira de Sá*

2001 *Eduardo Sany Laber*

Supervised doctoral thesis

All doctoral thesis were supervised at Systems Engineering and Computer Science Program, COPPE, UFRJ.

2022 *Alexsander Andrade de Melo*, "On Intractability of connection and cut problems".

2021 *Caroline da Silva Reis Patrão*, "Total coloring of Kneser graph families, direct product of complete graphs and cycles".

2021 *Edinelço Dalcumune*, "Síntese de Circuitos para computação reversível usando portas Toffoli generalizadas".

2020 *Alexandre Santiago de Abreu*, "Tessellations on graphs: theory, algorithms and complexity".

2017 *Luís Felipe Ignácio Cunha*, "Genome rearrangements: algorithms and complexity".

2017 *Ana Luisa Carvalho*, "Combinatorial games in graphs: timber and coloring".

2014 *Hélio Bomfim de Macêdo Filho*, "Coloring of clique, bicliques and stars".

2013 *André da Cunha Ribeiro*, "Cayleys graphs, permutations and reversible circuits".

2013 *Diana Sasaki de Souza Pereira*, "Total coloring of cubic graphs".

2010 *Raphael Carlos Santos Machado*, "Decompositions for edge coloring and total coloring in graphs".

2009 *Letícia Rodrigues Bueno*, "Hamiltonian cycles in Kneser graphs".

2008 *Rafael Bernardo Teixeira*, "Graph sandwich problems: hereditary classes and partitions".

2007 *Rodrigo de Alencar Hausen*, "Genome rearrangements: theory and applications".

2006 *Vinícius Gusmão Pereira de Sá*, "Ten algorithms for the homogeneous set sandwich problem".

2006 *Luis Antonio Brasil Kowada*, "Construction of reversible and quantum algorithms".

2005 *Cláudia Regina Villela Maciel*, "Even pairs in bull reducible graphs".

2004 *Vânia Maria Félix Dias*, "Generating bicliques in graphs".

2002 *Simone Dantas de Souza*, "Partitions in graphs: characterizations, algorithms and complexity".

1998 *Luerbio Faria*, "Results on non planarity in graphs: structural and complexity aspects".

Supervised master dissertations

All master dissertations were supervised at Systems Engineering and Computer Science Program, COPPE, UFRJ, unless mentioned otherwise.

2022 *Matheus Nunes Adauto*, "Equitable total coloring of small cubic graphs".

2022 *Mariana Martins Ferreira da Cruz*, "Fullerene Nanodiscs: From Chemistry to Combinatorics".

2019 *Alesom Zorzi*, "Total coloring power of cycles".

2017 *Alexsander Andrade de Melo*, "Terminal connection problem: complexity and relation to flow and disjoint path problems".

2016 *Rodrigo Ming Zhou*, "Graceful labelings of graphs".

2015 *Aline Azevedo*, "Game theory applied to graph theory".

2013 *Luís Felipe Ignácio Cunha*, "Limits for distance and diameter in genome rearrangements by transpositions".

2011 *Marcelo Pereira Lopes*, "Transposition distance through a simple permutation".

2010 *Diana Sasaki de Souza Pereira*, "Total coloring in snark families".

2010 *Hélio Bomfim de Macêdo Filho*, "Scheduling algorithms in arbitrary dimension".

2010 *Caroline da Silva Reis*, "Hamiltoniam cycles in transposition rearrangement graphs".

2006 *Danilo Artigas*, "On the complexity of combinatorial games".

2004 *Rafael Bernardo Teixeira*, "The star cutset and the clique cutset sandwich problems".

2003 *Guilherme Dias da Fonseca*, "Kinetic priority lists".

2003 *Vinicius Gusmão Pereira de Sá*, "The homogeneous set sandwich problem".

2003 *Rodrigo de Alencar Hausen*, "Efficient algorithms for the recognition of proper interval graphs", Instituto de Matemática, UFRJ.

2001 *Wagner Pimentel*, "Genetic algorithms for scheduling problems".

1998 *Edinson Raul Montoro Alegre*, "Dynamic algorithms for the minimum spanning tree problem".

1995 *Paulo Mello de Souza*, "Local search methods for the maximum clique problem".

1995 *Laura Silvia Bahiense da Silva Leite*, "Even pairs in perfect graphs".

1994 *Luerbio Faria*, "The crossing number of the n-cube", Instituto de Matemática, UFRJ.

1993 *Fábio Protti*, "Interval graphs: characterizations, problems and algorithms".

Invited lectures

2022 *Special session in honor of Jayme Szwarcfiter*, XXI Latin Ibero-American Conference on Operations Research.

2022 *MaxCut is hard when restricted to geometric intersection model graph classes*, Discrete Mathematics and Applications Workshop.

2021 *Total colourings*, Topics in Algorithmic Graph Theory 2021: book launch workshop, University of Haifa.

2021 *Maximum cut and Steiner tree restricted to interval graphs and related families*, Minisymposium on Algorithms for interval graphs and related families, The Canadian Discrete and Algorithmic Mathematics Conference.

2020 *The complexity of hard graph problems forty years later*, Online Seminar on Graphs, Algorithms and Combinatorics, Federal University of Minas Gerais.

2019 *The Millennium problem on computational intractability*, Brazilian Society for Applied and Computational Mathematics Annual Conference.

2019 *Homage to Frédéric Maffray*, A Tribute to Frédéric Maffray, G-SCOP laboratory, Grenoble.

2019 *The complexity of hard graph problems forty years later*, Parallelism, Graphs and Optimization 20 + 50 conference, Federal University of Ceará.

2019 *Homage to Frédéric Maffray*, X Latin and American Algorithms, Graphs and Optimization Symposium, Belo Horizonte.

2019 *More Women in STEM*, The International Day of Women and Girls in Science, Federation of Industries of the State of Rio de Janeiro.

2019 *More Women in Engineering*, This Place is Also Mine, Polytechnic School, UFRJ.

2018 *Complexity-separating graph classes for vertex, edge and total coloring*, Latin-American School on Operations Research, Marbella.

2017 *The Millennium problem on computational intractability*, Institute of Mathematics and Statistics, State University of Campinas.

2017 *Complexity-separating graph classes for vertex, edge and total coloring*, IX Latin and American Algorithms, Graphs and Optimization Symposium, Centre International de Rencontres Mathématiques, Marseille.

2017 *The sandwich problem for almost monotone properties*, Brazilian Mathematics Colloquium, Institute for Pure and Applied Mathematics.

2016 *Complexity-separating graph classes for vertex, edge and total colouring*, Princeton Discrete Mathematics Seminar.

2016 *Intractability and Optimization*, Brazilian Computer Society Conference.

2015 *Theory of Computer Science: Introduction to Computational Complexity and Logic*, Brazilian Computer Society Conference.

2014 *Improved upper bounds on the crossing number, the 2-page crossing number and the rectilinear crossing number of the hypercube*, Graph Theory and Combinatorics at Foundations of Computatinal Mathematics, FoCM.

2014 *The generalized split probe problem*, Workshop on Graphs and Algorithms, in honour of Derek Corneil, Fields Institute, Toronto.

2014 *The generalized split probe problem*, Structured Families of Graphs, celebrating Robert Jamison, Forty-fifth Southeastern International Conference on Combinatorics, Graph Theory, and Computing.

2013 *Four colours suffice*, Mathematics Institute, Federal University of Rio de Janeiro.

2010 *Non planarity parameters of a graph*, 60th birthday of Jorge Stolfi, Institute for Pure and Applied Mathematics.

2010 *Complexity-separating graph classes for vertex, edge and total coloring*, Centenary of Celina and Frédéric, Laboratoire G-SCOP, Grenoble.

2009 *The P vs. NP-complete dichotomy of some challenging problems in graph theory*, V Latin and American Algorithms, Graphs and Optimization Symposium, Gramado.

2009 *The P vs. NP-complete dichotomy of some challenging problems on graph theory*, Institute of Computing, Federal Fluminense Unviversity.

2009 *The P vs. NP-complete dichotomy of some challenging problems on graph theory*, Department of Statistics and Applied Mathematics, Federal University of Ceará.

2009 *The P vs. NP-complete dichotomy of some challenging problems on graph theory*, Laboratoire d'Informatique Algorithmique: Fondements et Applications, Université Paris Diderot, Paris.

2008 $2K_2$ *vertex-set partition into nonempty parts*, CIRM Workshop on Graph Decomposition: Theoretical, Algorithmic and Logical Aspects, Marseille.

2007 *Graph sandwich problems*, Dagstuhl seminar on Exact, Approximative, Robust and Certifying Algorithms on Particular Graph Classes, Leibniz Center for Informatics, Wadern.

2006 *Graph sandwich problems*, Mini-symposium on Special Classes of Graphs, SIAM Conference on Discrete Mathematics, Victoria.

2006 *Graph sandwich problems*, Workshop on Graph Theory and Applications, Mathematics Institute, Federal University of Rio Grande do Sul.

2005 *Graph colorings*, Mathematics Department, Federal University of Pernambuco.

2004 *Graph colorings*, Oktobermat, Mathematics Department, Pontifical Catholic University of Rio de Janeiro.

2001 *Recognition of quasi-Meyniel graphs*, Workshop on Graph Colouring and Decomposition, Princeton University.

2001 *On Tucker's proof of the Strong Perfect Graph Conjecture for* $(K_4 - e)$*-free graphs*, Graph Theory Seminar, Department of Mathematics, Wilfried Laurier University, Waterloo.

2001 *On Tucker's proof of the Strong Perfect Graph Conjecture for* $(K_4 - e)$*-free graphs*, 23th Brazilian Mathematics Colloquium, Institute for Pure and Applied Mathematics.

2001 *Bull-reducible Berge graphs are perfect*, Dagstuhl seminar on Graph Decompositions and Algorithmic Applications, Leibniz Center for Informatics, Wadern.

2000 *Finding skew partitions efficiently*, Workshop on Structured Families of Graphs, Fields Institute, Toronto.

1999 *Finding skew partitions efficiently*, 22nd Brazilian Mathematics Colloquium, Institute for Pure and Applied Mathematics.

1999 *Linear-time algorithms for maximum sets of sources and sinks*, Institute for System Analysis and Computer Science (IASI), Rome.

1999 *Edge colouring indifference graphs*, Institute for System Analysis and Computer Science (IASI), Rome.

1999 *Graph theory, algorithms and applications*, Mathematics Institute, Federal Fluminense Unviversity.

1998 *A class of beta-perfect graphs*, Laboratoire Leibniz/IMAG, Grenoble.

1998 *Recognition of quasi-Meyniel graphs*, Laboratoire Leibniz/IMAG, Grenoble.

1997 *Optimizing bull-free perfect graphs*, 21st Brazilian Mathematics Colloquium, Institute for Pure and Applied Mathematics.

1997 *On bull-free perfect graphs: transitivity, perfect orderings and weakly triangulated graphs*, III National Workhop on Combinatorial Problems, University of São Paulo.

1997 *Linear-time algorithms for proper interval graph recognition*, Mathematics and Statistics Institute, University of São Paulo.

1997 *Linear-time algorithms for proper interval graph recognition*, Institute of Computing, State University of Campinas.

1996 *A class of beta-perfect graphs*, International Combinatorics Workshop, Rio de Janeiro.

1996 *Colouring odd maximum degree graphs*, Colouring Problem Session, Department of Combinatorics and Optimization, University of Waterloo.

1996 *Local conditions for edge-colouring*, Colouring Problem Session, Department of Combinatorics and Optimization, University of Waterloo.

1996 *On a conjectured characterization of perfectly contractile graphs*, Computational Geometry Seminar, McGill University.

1996 *On Everett and Reed conjectured characterization of perfectly contractile graphs*, Department of Combinatorics and Optimization, University of Waterloo.

1995 *On Everett and Reed conjectured characterization of perfectly contractile graphs*, Department of Computer Science, University of Toronto.

1995 *On edge-colouring proper interval graphs*, Department of Combinatorics and Optimization, University of Waterloo.

1995 *On edge-colouring proper interval graphs*, Department of Computer Science, Old Dominion University.

1995 *Linear-time algorithms for proper interval graph recognition*, Department of Mathematical Sciences, Lakehead University.

1995 *Sources, sinks, even and odd pairs in comparability graphs*, Department of Combinatorics and Optimization, University of Waterloo.

1995 *On edge-colouring odd maximum degree graphs*, I National Workshop of Combinatorial Problems, University of São Paulo.

1994 *On edge-colouring indifference graphs*, Laboratoire ARTEMIS/IMAG, Grenoble.

1993 *Parity problems in perfect graphs*, Theory Seminar, State University of Campinas.

1992 *Computational complexity and perfect graphs*, Combinatorics Seminar, Mathematics Institute, University of São Paulo.

1992 *Combinatorial algorithms and perfect graphs*, Combinatorics Seminar, Pontifical Catholic University of Rio de Janeiro.

1991 *Even pairs and bull-free perfect graphs*, Campinas Workshop on Combinatorics, State University of Campinas.

1990 *Decomposition, paerfection and optimization problems*, Combinatorial Optimizations Workshop, Institute of Logic, Philosophy and Theory of Science.

1989 *Even pairs and bull-free perfect graphs*, Seminar on Combinatorics, University of Toronto.

Publications

For the complete list of publications, visit www.cos.ufrj.br/∼celina/publications.html