Curriculum Vitae

Claudia Malvenuto

Generalities

Born in Turin, Italy
Italian citizenship
Two children

Contact Information

Dipartimento di Matematica
Sapienza Università di Roma
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Present Academic Position

10/2015-	Associate Professor in Algebra, Department of Mathematics, Sapienza Università di Roma

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Research Interests

Algebraic Combinatorics
Extremal Combinatorics
Combinatorial Hopf Algebras
Symmetric and Quasi-Symmetric Functions
Graph Theory
Combinatorics on Words

Employment history

2012-15	Assistant professor (*ricercatrice*) in Algebra, Sapienza Università di Roma, Department of Mathematics
2002-11	Assistant professor (*ricercatrice*), Sapienza Università di Roma, Department of Computer Science
2000-02	Non-tenured assistant professor, Sapienza Università di Roma, Department of Computer Science
1994-2000	High school teacher of Mathematics, permanent position Istituto Tecnico Industriale Albert Einstein, Roma

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EDUCATION

1995-97	Post-doc fellowship, Department of Mathematics, Università degli Studi Roma Tre
1989-94	Ph.D. in Mathematics, Laboratoire de Combinatoire et Informatique Mathématique (LaCIM), Université du Québec à Montréal (UQAM), Canada Thesis: Produits et coproduits des fonctions quasisymétriques et de l'algèbre des descentes. Advisor: Christophe Reutenauer Grade A+ "avec mention d'honneur" (with honor)
1989	Ph.D. student, Queen's University in Kinston, Ontario, Canada.
1988	Laurea (equivalent of Master of Science) in Mathematics, Sapienza Università di Roma. Master thesis: "Coxeter Groups and Weyl groups". Advisor: Claudio Procesi Grade 110/110 *summa cum laude*
1983	"Maturità" (Italian high school diploma) in classical studies

ACADEMIC VISITS

2017	University of Melbourne, Australia, Department of Mathematics. Collaboration with Arun Ram (15 days)
2015	École Nationale supérieure des Télécomunications, Paris. Collaboration with Gerard Cohen (1 month)
2014	ICMAT Madrid, Spain. Collaboration with Frédéric Patras and Kurusch Ebrahimi-Fard, responsible of the program "Research in Team: Trimester on Multiple Zeta Values, Multiple Polylogarithms, and Quantum Field Theory" (20 days). https://www.icmat.es/RT/MZV2014/researchinteams.html
2012	École Nationale supérieure des Télécomunications, Paris. Collaboration with Gerard Cohen
2011	LaCIM (UQAM), Montréal, Canada. Collaboration with Christophe Reutenauer (1 month)
2009	Trinity College, Cambridge, UK. Collaboration with Imre Leader
2008	LaCIM (UQAM), Montréal, Canada. Collaboration with Christophe Reutenauer (1 month)
2007	Ecole Nationale supérieure des Télécomunications, Paris. Collaboration with Gerard Cohen
2007	Université de Nice Sophia Antipolis. Collaboration with Persi Diaconis
2006	A&M Texas University. Collaboration with Marcelo Aguiar

2006	University of Wisconsin, Madison. Collaboration with Arun Ram
2006	Concordia University, Montréal, Canada. Collaboration with Benoit Larose (15days)
2004	LaCIM, Université du Québec à Montréal (UQAM), Canada. Collaboration with C. Reutenauer (1 month)
1997	School of Mathematics Physics Computing and Electronics, Macquarie University, Sydney Australia. Collaboration with Igor Shparlinski e Karl H. Wehrhahn (3 months)
1996	LaCIM (UQAM), Canada. Collaboration with C. Reutenauer e François Bergeron (1 month)
1994	Institut Gaspard Monge, Université Marne-La-Vallée, Paris. Collaboration with Jean-Yves Thibon (3 months)

Prizes and Fellowships

1995-97	Post-doc fellowship, Università di Roma Tre Department of Mathematics
1994	**Gold Medal of the Governor General of Canada**, best Ph.D. thesis in Sciences in Canada for the academic year 1993/94: http://www.gg.ca/document.aspx?id=187
1992	Prize of the Institut des Sciences Mathématiques (ISM) de Montréal
1991–92	Fellowship of the Italian Consiglio Nazionale delle Ricerche CNR, to do research abroad
1989–92	Scholarship, Université du Québec à Montréal, Canada
1989	Scholarship, Department of Mathematics and Statistics Queen's University of Kingston Ontario, Canada
1987–88	Scholarship, Italian Consiglio Nazionale delle Ricerche CNR for graduate students, Università di Roma La Sapienza

Research activities

Member of research projects

2013-	Research project "CARMA Combinatoire Algébrique, Résurgence, Moules et Applications" - Agence Nationale de la Recherche ANR-12-BS01-0017. Coordinator Jean-Yves Thibon, Paris http://www-igm.univ-mlv.fr/~jyt/CARMA/index.html
2014-	Research project, Sapienza Università di Roma: *Representation Theory and Applications*, Paolo Papi

2012-14	Research project, Sapienza Università di Roma: *Moduli Space and Lie Theory*, Corrado de Concini
2009-10	Research project, Sapienza Università Roma: *Combinatorial and Algorithmic methods in formal language theory and in discrete structures*, Flavio D'Alessandro
2007-09	National Research project, PRIN 2007: *Polynomial identities and combinatorial methods*, Antonio Giambruno
2007-08	Research project, Computer Science, Sapienza Università di Roma *Limiti di compressione in combinatoria e complessità computazionale*, János Körner
2005	Project and research grant, INTAS 03-51-5070: *Analytic and combinatorial Methods in Number Theory and Geometry*
2005-06	Research project, Computer Science, Sapienza Università di Roma *Integrazione e codifica di dati grafici*, F. Malvestuto
2000-04	Research project, Computer Science, Sapienza Università di Roma *Algoritmi, codici di trasmissione e di controllo per reti di telecomunicazioni*, Rossella Petreschi

Academic Invitations to Mathematics - Sapienza

2016	*Frédéric Patras*, CNRS - Université de Nice (1 month)
2013	*Loïc Foissy*, Université de Reims (3 months)
2012	*Adriano Garsia*, UCSD (1 week)
2012	*Loïc Foissy*, Université de Reims, (1 week)

Academic Invitations to Computer Science - Sapienza

2008	*Christophe Reutenauer*, Université du Québec à Montréal (1 week)
2007	*Imre Leader*, Fellow Trinity College, Cambridge UK (1 month)
2005	*Benoit Larose*, Concordia University, Montreal Canada (2 weeks)
2003	*Benoit Larose*, Concordia University, Montreal Canada (1 month)
2002	*Pierre Leroux*, Université du Québec à Montréal (1 week)
2000	*Christophe Reutenauer*, Université du Québec à Montréal (1 month)

Organization of Scientific Events

2015-17	Scientific and organizing committee "Algebraic Combinatorics, Resurgence, Moulds and Applications" CIRM Luminy 26-30 giugno 2017 (CARMA project) http://scientific-events.weebly.com/1599.html
2016	MYMC Mediterranean Youth Mathematical Competition - Sapienza Rome - an international competition for high school students to encourage interest in mathematics and promote gender equality https://www.mat.uniroma1.it/mymc2016
2016	Organizing committee "Women of Mathematics, a gallery of portraits", Sapienza Università di Roma https://www.mat.uniroma1.it/womenofmath
1/2015	Invited Speaker "1965–2015: Fifty Years of Québec in Italy", within the weekly seminar "Meetings with the Diplomacy", Istituto di Alti Studi in Geopolitica e Scienze Ausiliarie, Master in Geopolitics and Global Security
2011-13	Editorial board of a special issue in honor of Christophe Reutenauer, International Journal of Algebra and Computation, Volume 23 689-1009 (2013)
2011-13	Organizing and scientific committee of the Conference: "Words, Codes and Algebraic Combinatorics: a Conference in honor of Christophe Reutenauer's 60th birthday", Cetraro 1–5 luglio 2013: http://christo.lacim.uqam.ca/
2010	Organizing committee of the International Workshop "Groups and Languages" dedicated to Tony Machì on his 70th birthday, 9–10 settembre 2010: http://www.mat.uniroma1.it/∼groupslanguages/
2006	Scientific and organizing committe, with Marcelo Aguiar, of a special session *Young Algebraic Combinatorics*, AMS Meeting, 2006 Fayetteville, Arkansas
1996-97	Organization of the weekly *Interdipartimental Combinatorics Seminar* (Departments of Computer Science, Mathematics, Statistics of Sapienza Università di Roma)
1988	Organization of the Meeting *The temptation of Mathematics*, on relations between mathematics and non formalized sciences, Sapienza Università di Roma

Conferences, seminars

Participation and Presentations to Conferences

10/2016	*Calcul moulien et algèbres de Hopf combinatoires*, Besse, France

4/2016	*76th Séminaire Lotharingien de Combinatoire*, Domaine St-Jacques, Ottrott, France
3/2016	*Colloque en l'honneur de Marcel-Paul Schützenberger*, Bordeaux, France: plenary speaker http://mps2016.labri.fr/index_fr.html
5/2014	*Calcul moulien et algèbres de Hopf combinatoires*, Les Plantiers (Gard), France: invited speaker http://www-igm.univ-mlv.fr/ jyt/CARMA/events/plantiers.html
11/2013	*Combinatoire des systèmes dynamiques*, CIRM, Luminy, France: speaker
4/2013	*Combinatorial Hopf Algebras and Mould Calculus*, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, Italy: invited speaker http://www.crm.sns.it/event/283/speakers.html?page=1#title
9/2012	*Combinatorics 2012*, Perugia, Italy: speaker
3/2012	*68ème SLC Seminaire Lotharingien de Combinatoire*, Obernai, France
9/2011	*EUROCOMB'11* European Conference on Combinatorics, Graph Theory and Applications, Rényi Institute, Budapest, Hungary
9/2011	*Katona 70* A Conference in honor of the 70th birthday of Gyula Katona, Hungarian Academy of Sciences, Budapest, Hungary
11/2010	*Quasisymmetric Functions*, Workshop 10w5031 at BIRS, Banff International Research Station, Canada: invited speaker http://www.birs.ca/events/2010/5-day-workshops/10w5031
9/2010	*Groups and Languages*, International Workshop dedicated to Tony Machì on his 70th birthday, Rome, Italy
9/2010	*GASCOM 2010*, Génération aléatoire de Structures Combinatoires, Montréal, Canada
8/2010	*LaCIM 2010*, 20th birthday of the Laboratoire de Combinatoire et Informatique Mathématique, Montréal, Canada
6/2010	*Incontro italiano di Combinatoria Algebrica*, Bologna, Italy: speaker
9/2007	*Convegno italiano di Combinatoria Algebrica* joint meeting with *Séminaire Lotharingien de Combinatoire SLC*, Bertinoro, Italy
1/2007	*Shuffles, descents and representations*, Conference in memory of Manfred Schocker, Nice, France
1/2007	*Quasi-random structures, regularity lemmas and their applications*, Budapest, Hungary
11/2006	*AMS Meeting "Young Algebraic Combinatorics"*, Fayetteville, Arkansas

9/2005	*Convegno italiano di Combinatoria Algebrica* Joint meeting with *Seminaire Lotharingien de Combinatoire SLC*, Bertinoro, Italy
6/2004	*Retrospective in Combinatorics Honoring STANLEY's 60th birthday*, M.I.T. Boston
9/2003	*EUROCOMB'03* European Conference on Combinatorics, Graph Theory and Applications, Prague, Czech Republic
5/2002	*Combinatorial Hopf Algebras* AMS Meeting, Montreal, Canada: invited speaker
9/2001	*EUROCOMB'01* European Conference on Combinatorics, Graph Theory and Applications, Barcelona, Spain
1/2001	*Meeting Finite Fields and Applications* Mathematische Forschungsinstitut Oberwolfach, Germany: invited speaker
9/2000	*LACIM 2000 - Combinatoire Informatique et Applications*, Montreal, Canada: invited speaker
6/2000	*FPSAC'00 Formal Power Series and Algebraic Combinatorics*, Moscow, Russia
5/2000	*LATIN 2000 Latin American Theoretical INformatics*, Uruguay
3/2000	*44eme SLC Seminaire Lotharingien de Combinatoire*, Obernai, France
6/1998	*Workshop Calcolo umbrale e applicazioni*, Cortona, Italy
6/1997	*Workshop on Algebraic Combinatorics*, Centre de Recherches Mathématiques de Montréal, Canada
9/1996	*Combinatorics'96*, Assisi, Italy: speaker
7/1996	*Terzo Incontro italiano di Combinatoria Algebrica*, Prato, Italy
6/1996	*FPSAC'96 Formal Power Series and Algebraic Combinatorics*, Minneapolis
11/1994	*Meeting Calculs de Lie*, Luminy Marseille, France
7/1994	*Conference in Algebraic Combinatorics in honor of Adriano Garsia*, Taormina, Italy
7/1994	*Primo incontro italiano di Combinatoria Algebrica*, Prato, Italy: speaker
6/1992	*FPSAC'92 Formal Power Series and Algebraic Combinatorics*, Montreal, Canada
6/1991	*Convegno di Teoria dei Grafi*, Varenna, Italy
5/1991	*FPSAC'91 Formal Power Series and Algebraic Combinatorics*, Bordeaux, France
5/1991	*Atelier de Combinatoire franco-québecois*, Bordeaux, France: speaker

Invited Seminars

2018	Department of Mathematics, Algebra Seminar, University of Hamburg
2016	Department of Mathematics, University of California at San Diego
2015	Department of Mathematics, Université de Nice Sophia Antipolis
2015	École Nationale supérieure des Télécomunications, Paris
2014	ICMAT Instituto de Ciencias Matemáticas, Madrid http://www.icmat.es/seminarios/ACS/
2011	Université du Québec à Montréal
2012	École Nationale supérieure des Télécomunications, Paris
2010	Département de Mathématiques, Université Claude Bernard, Lyon 1
2009	Trinity College, Cambridge: http://www.talks.cam.ac.uk/talk/index/20535
2008	Dipartimento di Matematica, Bologna
2007	Ecole Nationale supérieure des Télécomunications, Paris
2006	University of Wisconsin, Madison
2006	A&M Texas University
2006	LACIM, Université du Québec à Montréal
2004	LACIM, Université du Québec à Montréal
2003	Dipartimento di Matematica, Bologna
2000	Dipartimento di Informatica, Sapienza Università di Roma
1997	Mathematics Department, Sydney University, Australia
1996	Dipartimento di Matematica, Sapienza Università di Roma
1996	LACIM, Université du Québec à Montréal
1995	Dipartimento di Matematica, Università di Roma Tre
1994	Université de Marne-La-Vallée, Paris

Referee activities

Referee for International Journals

Discrete Mathematics, Electronic Journal of Combinatorics, Annals of Combinatorics, Journal of the American Mathematical Society, Journal of Pure and Applied Algebra, Journal of Algebraic Combinatorics, Journal of Combinatorial Theory Series A & B, European Journal of Combinatorics

Referee for International Conferences

2006	*Algorithms and Complexity 6th Italian Conference CIAC 2006*, Rome
1999	*XXI Journées Arithmétiques 1999*, Rome

Editor

2011-13	*International Journal of Algebra and Computation*, Special Issue in honor of Christophe Reutenauer's 60th birthday

Reviewer

1990-	*Zentralblatt für Mathematik*
1998-	*Mathematical Reviews*

Referee/committee member for Ph.D. students/positions

2017	Hiring Committee member for one researcher 2-year appointment in Mathematics, Sapienza Università di Roma
11/2017	Committee member and referee of Ph.D. final exam, Cécile Mammez, Université du Littoral Côte d'Opal, Calais, France
2016-17	Committee member (comité de pilotage) of Ph.D. student Mattia Gastaldello, coadvised by INRIA-Lyon and Department of Computer Science, Sapienza Università di Roma
2015	Committee member and referee of Ph.D. final exam, Francesca Camagni, University of Bologna
2015	Hiring Committee member for one researcher 2-year appointment in Mathematics, Sapienza Università di Roma
2013	Committee member and referee of Ph.D. final exam, Pietro Mongelli, University of Rome Tor Vergata
2012	Hiring Committee member for one researcher 2-year appointment in Mathematics, Sapienza Università di Roma
2012	Committee member and referee of Ph.D. final exam, Bich Van Nguyen, Sapienza Università di Roma
2000-01	Hiring Committee member for one Assistant Professor position in Computer Science, Università di Verona

Teaching in Sapienza Università di Roma

2014–17	*Higher Algebra: Elementary Number Theory and Finite Fields*, Master of Science in pure/applied Mathematics
2015–17	*Calculus*, Bachelor in Natural Science
2012–15	*Discrete Matematics*, Master of Science in pure/applied Mathematics
2011–13	*Algebra*, Bachelor in Computer Science
2010–11	*Algorithms*, Bachelor in Mathematics
2002–10	*Mathematical Logic*, Bachelor in Computer Science
2003–04	*Combinatorics*, Bachelor in Computer Science
2000-04	Teaching Assistant for the following courses: Discrete Mathematics, Mathematical Logic, Algorithms and data structures, Programming, for the Bachelor in Computer Science

Teaching elsewhere

1999–00	*Analysis*, Bachelor in Physics, Università Roma Tre
1998–99	*Calculus*, Bachelor in Biology, Università Roma Tre
1993–2002	Full time high school teacher in Mathematics, ITIS "Albert Einstein", Rome
1992–93	*Linear Algebra*, Bachelor in Mathematics, Université du Québec à Montréal
1990–92	*General Mathematics: Calculus*, Bachelor in Economics, Université du Québec à Montréal
1989-91	Teaching Assistant for the following courses: Linear Algebra, Introduction to Geometry, Université du Québec à Montréal
1989-91	Teaching Assistant, Abstract Algebra, Queen's University, Kinsgston, Ontario

Student Research and Thesis Supervisor from 2012

2012	*Cayley formula for labelled trees*, Federico Padrone, B.Sc. in Mathematics
2012	*Combinatorics on words in molecular calculus*, Irene Curzi, M.Sc. in Applied Mathematics
2013	*Schur Functions and the Robinson-Schensted-Knuth Correspondence*, Carlo Spatocco, B.Sc. in Mathematics

2013	*The Chromatic Polynomial of a Graph*, Nicola Del Giudice, B.Sc. in Mathematics
2013	*Grafi di Kneser*, Bruno Federici, M.Sc. in Matemathics (now Ph.D. student in Warwick)
2015	*Estremal problems on incidence polytopes*, Leonardo Alese, M.Sc. in Mathematics (now Ph.D. student in TU Graz)
2015	*Hopf Algebras of Combinatorial type*, Simone Zucchi, M.Sc. in Mathematics
2015	*Combinatorics of Young Tableaux*, Giorgio Conti, B.Sc. in Mathematics
2015	*Permutation Polynomials in Cryptography*, Federico Padrone, M.Sc. in Mathematics
2015	*Hopf Algebras and Markov chains*, Nicola Del Giudice, M.Sc. in Applied Mathematics (now Ph.D. student in TU Graz)
2016	*Associahedron and its realizations*, Francesca Tucci, M.Sc. in Mathematics
2016	*The relationship between the chromatic number of a graph and clique immersion*, Giacomo Paesani, M.Sc. in Mathematics
2016	*Generating Functions and Enumeration of Permutations by Increasing Sequences*, Francesca Novelli, M.Sc. in Mathematics
2017	*Euclidean Ramsey Theory*, Tiziano Lascialfari, M.Sc. in Mathematics
2017	*Wiener Index and its Applications*, Michelangelo Sabatini, M.Sc. in Applied Mathematics
2017	*Combinatorial Methods in reconstruction of process traces*, Alessandro Crimi, M.Sc. in Applied Mathematics
2017	*Algebras of Multiple Zeta Values and a Theorem of Ohno*, Stefano Fantauzzi, M.Sc. in Mathematics
2017	*Perfect numbers and Fibonacci Primes*, Francesca Simoncelli, M.Sc. in Mathematics

LANGUAGES

Italian: mother tongue

French, English: fluent in both written and spoken language

German, Spanish: fair knowledge of written language

EQUAL OPPORTUNITIES ACTIONS AND COMMITMENT

11/2017	A day of training and education to contrast gender discriminations in STEM disciplines, for high school students of "Liceo Mameli" Rome, within the European Project "Youth Ambassadors"
2016-	Delegate for the Department of Mathematics of Sapienza University of Rome in the Italian Department of Equal Opportunities of the Presidency of the Council of Ministers
12/2016	Organization of the "Women of Mathematics, a gallery of portraits", Sapienza Università di Roma: presentation of the exhibition and activities connected to it, against gender stereotypes https://www.mat.uniroma1.it/womenofmath
7/2016	Organizing and Scientific committee of "MYMC Mediterranean Youth Mathematical Competition" - Sapienza University of Rome - An international competition for high school students to encourage interest in mathematics and promote gender equality https://www.mat.uniroma1.it/mymc2016
2016	Editor of a flyer with biographies of famous women mathematicians, handed to high schools girls participating to the Team Math Competition, held in Sapienza Università di Roma (within the project International Mathematical Olympiad)
2015-	Member of EWM - European Women of Mathematics
2014	Organizing committee of the Faculty of Science meeting "Donne e uomini in università: la Sapienza delle relazioni", a day of debate about harassment and gender discrimination in the University http://www.ing.uniroma1.it/archivionotizie/donne-e-uomini-universit-la-sapienza-delle-relazioni
2013-15	Committee for the "Neutral editing of official documents and feminization of language" of the Faculty of Science and Department of Mathematics, Sapienza Università di Roma

Papers in International Journals Peer Reviewed

[R.1] C. Malvenuto, F. Patras Symmetril Moulds, Generic Group Schemes, Resummation of MZVS, to appear in *Springer Proceedings in Mathematics and Statistics*, 19 pp. (2017)

[R.2] L. Foissy, C. Malvenuto, F. Patras. A theory of pictures for quasi-posets *Journal of Algebra*, **477** 496–515 (2017)

[R.3] L. Foissy, C. Malvenuto, F. Patras. Infinitesimal and B_∞-algebras, finite spaces, and quasi-symmetric functions *Journal of Pure and Applied Algebra*, **220 (6)** 2434–2458 (2016)

[R.4] L. Foissy, C. Malvenuto. The Hopf algebra of finite topologies and T-partitions *Journal of Algebra*, **438** 130–169 (2015)

[R.5] C. Malvenuto, P. Möseneder Frajria, L. Orsina, P. Papi. The maximum cardinality of minimal inversion complete sets in finite reflection groups *Journal of Algebra* , **424** 330–356 (2015)

[R.6] G. Cohen, C. Malvenuto. Cyclic colliding permutations *Electronic Notes in Discrete Mathematics*, **40** 743–747 (2013)

[R.7] B. Bollobás, I. Leader, C. Malvenuto. Daisies and Other Turán Problems. *Combinatorics, Probability and Computing*, **20(5)** 743–747 (2011)

[R.8] C Malvenuto, C. Reutenauer. A self paired Hopf algebra on double posets and a Littlewood-Richardson rule. *Journal of Combinatorial Theory, Series A* **118(4)** 1322–1333 (2011)

[R.9] M. Desgroseilliers, B. Larose, C. Malvenuto, C. Vincent. Some results on two conjectures of Schützenberger. *Canadian Mathematical Bulletin*, **53(3)** 453–465 (2010)

[R.10] J. Körner, C. Malvenuto, G. Simonyi. Graph-different permutations. *SIAM Journal on Discrete Mathematics*, **22(2)** 489–499 (2008)

[R.11] C. Malvenuto, F. Pappalardi. Corrigendum to: "Enumerating permutation polynomials. I. Permutations with non-maximal degree" *Finite Fields and their Applications* **13(1)** 171-174 (2007)

[R.12] J. Körner, C. Malvenuto. Pairwise colliding permutations and the capacity of infinite graphs. *SIAM Journal on Discrete Mathematics*, **20(1)** 203-212 (2006)

[R.13] B. Larose, C. Malvenuto. Stable sets of maximal size in Kneser-type graphs. *European Journal of Combinatorics* **25(5)** 657-673 (2004)

[R.14] C. Malvenuto, F. Pappalardi. Enumerating permutation polynomials II: k-cycles with minimal degree. *Finite Fields and their Applications* **10(1)** 72-96 (2004)

[R.15] C. Malvenuto, F. Pappalardi. Enumerating Permutation Polynomials I: Permutations with Non-Maximal Degree. *Finite Fields and their Applications* **8(4)** 531-547 (2002)

[R.16] C. Malvenuto, C. Reutenauer. Plethysm and conjugation of quasi–symmetric functions. *Discrete Mathematics* **193** 225-233 (1998)

[R.17] C. Malvenuto, C. Reutenauer. Duality between quasi-symmetric functions and the Solomon descent algebra. *Journal of Algebra* **177** 967-982 (1995)

[R.18] C. Malvenuto, C. Reutenauer. Evacuation of Labelled Graphs. *Discrete Mathematics* **132** 137-143 (1994)

[R.19] C. Malvenuto. P-Partitions and the Plactic Congruence. *Graphs and Combinatorics* **9** 63-73 (1993)

Chapters in books or collections

[L.1] C. Malvenuto, F. Pappalardi. On the Enumeration of Permutation Polynomials. In ”Publications du Laboratoire de Combinatoire et d’Informatique Mathématique - UQAM”, **27** 233-240 (2000)

[L.2] C. Malvenuto. Produits et Coproduits des fonctions quasi-symétriques et de l’algèbre des descentes. In ”Publications du Laboratoire de Combinatoire et d’Informatique Mathématique - UQAM”, **16** (1994)

[L.3] C. Malvenuto. *P*-Partitions and the Plactic Congruence. In ”Publications du Laboratoire de Combinatoire et d’Informatique Mathématique - UQAM”, **10** (1991)

Ph.D. Thesis

[T.1] C. Malvenuto. Produits et Coproduits des fonctions quasi-symétriques et de l’algèbre des descentes. Montréal (1994)

Teaching Notes

[D.1] J. Körner, C. Malvenuto Combinatoria: Appunti del corso. Roma (2003) Available on http://www.dsi.uniroma1.it/∼md1c/md1c.pdf

Populat Maths

[P.1] C. Malvenuto. Con quale matematica si mescola un mazzo di carte? In *MaddMaths! Matematica Divulgazione Didattica*, 6 pp. (2014) http://maddmaths.simai.eu/divulgazione/madd-spot-9-con-quale-matematica-si-mescola-un-mazzo-di-carte/