

# Curriculum Vitae

**Jeroen Schillewaert**

## Contents

<b>1</b>	<b>Summary</b>	<b>2</b>
<b>2</b>	<b>Grants and research periods</b>	<b>3</b>
2.1	Research grants . . . . .	3
2.2	Research visits and summer schools . . . . .	3
<b>3</b>	<b>Talks</b>	<b>4</b>
3.1	Plenary talks at conferences . . . . .	4
3.2	Invited talks at universities . . . . .	4
3.3	Talks at conferences . . . . .	5
3.4	Local seminar talks and Ph.D. events . . . . .	6
3.5	Other Attended Conferences . . . . .	6
<b>4</b>	<b>Teaching and student supervision</b>	<b>7</b>
4.1	Teaching Experience . . . . .	7
4.2	Student supervision . . . . .	7
<b>5</b>	<b>Outreach</b>	<b>8</b>
5.1	Refereeing . . . . .	8
5.2	Membership of professional organizations . . . . .	8
5.3	Services . . . . .	8
<b>6</b>	<b>Publication list</b>	<b>9</b>
6.1	Journal Publications . . . . .	9
6.2	Conference proceedings and reports . . . . .	10
6.3	Preprints . . . . .	10

# 1 Summary

## Personal details

- Affiliation: Goldman Sachs, London, UK.
- E-mail: jschillewaert@gmail.com
- Webpage: <http://www.jeroenschillewaert.com>;
- Recent preprints: <http://arxiv.org/find/all/1/all:+Schillewaert/0/1/0/all/0/1>
- Qualifications:
  - Ph.D. Mathematics (Ghent University, Belgium, 2009)
  - Master Degree in Mathematics (Ghent University, Belgium, 2005)
  - Master Degree in Computer Engineering (Ghent University, Belgium, 2003)

## Employment

- From 1st of March 2017: Lecturer (permanent position) at University of Auckland.
- Quant at Goldman Sachs, London: Aug 2015-Present.
- University of Münster, Germany:
  - Apr 2015-July 2015: Von Humboldt Fellowship for experienced researchers.
- Imperial College London, United Kingdom:
  - Apr 2013-Mar 2015: Marie Curie Fellow.
- University of California San Diego, USA:
  - Oct 2012-Mar 2013: Visiting Assistant Professor.
- Université Libre de Bruxelles, Belgium:
  - Oct 2010-Sep 2012: Visiting Assistant Professor.
- University of Canterbury New Zealand:
  - Jun 2009-Sep 2010: Postdoctoral fellow.

## Academic Awards

- February 2015: Research in Pairs Oberwolfach joint with K. Struyve.
- July 2014: Von Humboldt Fellowship for Experienced researchers.
- December 2012: Marie Curie IEF Fellowship
- February 2012: Oberwolfach Leibniz fellow
- November 2010: Research in Pairs Oberwolfach joint with K. Thas.

**Conference organization** Main organizer of an international conference on Bruhat-Tits buildings with 58 participants from universities around the world including École Polytechnique, EPFL, Harvard, Hebrew University, Institut Mathématique de Jussieu. The conference is sponsored by grants from both the LMS (£5500) and EPSRC (£5000).

## Research interests

- Tits Buildings
- Incidence geometry.
- Combinatorics.
- Algebraic groups.

## 2 Grants and research periods

### 2.1 Research grants

- October 2014: Grant from University of Auckland for research visit.
- July 2014: Von Humboldt Fellowship for experienced researchers (6m salary and travel budget).
- July 2014: 5.000 pounds from EPSRC for Winter meeting on Bruhat-Tits buildings.
- June 2014: 5.500 pounds from LMS for Winter meeting on Bruhat-Tits buildings.
- December 2012: 221653.60 Euro : Marie Curie Fellowship at Imperial College, London.
- July-August 2011: 3853 Euro (FNRS) for a visit to UC San Diego.
- September 2010: 1500 Euro (Ghent University).
- July 2010 : 5000 NZD for the visit of Koen Struyve (UC Canterbury).
- June 2010: 4000 NZD for visit of John Bamberg (UC Canterbury).
- April 2010 :1500 AUD (UWA, Perth).
- September 2009: 3350 NZD (UC Canterbury).
- Juny 2009-September 2010: 2500 NZD/year (UC Canterbury, New Zealand).
- January 2007-May 2009 : 5000 Euro/year (Belgian Federal Science Policy).
- January 2006- May 2009 : 5000 Euro/year (NSF Flanders).

### 2.2 Research visits and summer schools

- Oberwolfach, Research in Pairs, July 2015, two weeks.
- University of Auckland: March 2015: two weeks.
- UCSD: August 2014: two weeks.
- Oberwolfach Leibniz fellow: June 2013, one month.
- Oberwolfach Leibniz fellow: August 2012, one month.
- University of California San Diego, July-August 2011, seven weeks.
- Oberwolfach, Research in pairs, November 2010, 2 weeks.
- Ghent University, September 2010, one month.
- University of Western Australia, April 2010, one month.
- University of California San Diego, September 2009, three weeks.
- Kansas State University, March 2009, one week.
- Colorado State University, March 2009, one week.
- UC Denver, March 2009, one week.
- University of Napoli Federico II, July 2007, two weeks.
- Summer school on finite group theory and related Geometrical structures, Toblach, September 2006, 2 weeks.

## 3 Talks

### 3.1 Plenary talks at conferences

- *TBA* at Buildings and Symmetry, Perth, UWA, Sept 2017.
- *Small maximal independent sets* at Bielefeld-Münster Seminar on Groups, Geometry and Topology, Münster, Germany, June 12, 2015.
- *Projective embeddings of spherical buildings* at One day meeting on buildings, York University, UK, May 27, 2015.
- *Small maximal independent sets* at Groups and geometries, Banff, Canada, May 3-8, 2015.
- *Small maximal independent sets* at J.A. Thas's 70th Birthday conference, Ghent University, Belgium, Nov 13-15, 2014.
- *A common characterization for Severi varieties* at Workshop and Conference on groups and geometries, Indian statistical institute, Bangalore, Dec 10-21, 2012. (Talk not given due to teaching obligations)
- *Combinatorics of polar spaces* at *The joint international congress of the American and South African Mathematical Societies*, Port Elizabeth, South Africa, 29 November - 3 December 2011.
- *Geometric authentication codes* at *Coding theory and cryptography II*, Academy Contact Forum, Palace of the Academies, Brussels, Belgium, September 21, 2007.

### 3.2 Invited talks at universities

- *On metrically complete Bruhat-Tits buildings* at University of Newcastle, May 12, 2015.
- *Projective embeddings of spherical buildings* at University of Bielefeld, April 9, 2015.
- *Small maximal independent sets* at University of Auckland, March 4 2015.
- *Veronesean representations of Moufang planes* at University of Aberdeen, UK, December 4, 2014.
- *Veronesean representations of Moufang planes*, Seminars in Pure and Applicable Mathematics, Birkbeck, London, UK, October 13, 2014.
- *Veronesean representations of Moufang planes*, Algebra Seminar, Cambridge, UK, October 8, 2014.
- *Probabilistic Constructions in Finite geometries*, LSE, May 8, 2014.
- *Coarse equivalences of Euclidean buildings*, Algebra seminar, University of York, York, January 6, 2014.
- *The geometries of the Freudenthal-Tits magic square*, Algebra and Geometry seminar, University of Bristol, Bristol, UK, December 11, 2013.
- *The geometries of the Freudenthal-Tits magic square*, University of Birmingham, Birmingham, UK, November 7, 2013.
- *The geometries of the Freudenthal-Tits magic square*, University of Eindhoven, The Netherlands, October 9, 2013.
- *Geometry of exceptional Lie algebras la Tits*. London Algebra Colloquium, Imperial College, London, UK, May 17, 2013.
- *The geometries of the Freudenthal-Tits magic square*, Algebra seminar, Cambridge University, Cambridge, UK, May 16, 2013.
- *Small maximal partial ovoids in generalized quadrangles* Combinatorics Study group, Queen Mary, London, UK, May 3, 2013.
- *Severi varieties over arbitrary fields* ULB, Brussels, Belgium, April 5, 2013.
- *Large incidence-free sets in geometries* Cal. State San Marcos, San Marcos, USA, Feb 5, 2013.

- *A Geometric Approach to the Freudenthal-Tits Magic Square* UC Canterbury, Christchurch, New Zealand, March 1, 2012.
- *Recognizing finite polar spaces combinatorially* UCSD, San Diego, CA, USA, August 23, 2011.
- *Infinite Veronesean caps*, UWA, Perth, Australia, April 13, 2010.
- *A group-theoretic characterization of known counter examples to the planar Kac conjecture*, UCSD, San Diego, CA, USA, September 29, 2009.
- *Generalized Veroneseans and their arcs* at Rocky Mountain algebraic combinatorics seminar, Colorado State University, Fort Collins, CO, USA, March 13, 2009.
- *Can you recognize a finite polar space by intersection numbers?* at *Discrete mathematics seminar*, CU Denver, Denver, CO, USA, March 16, 2009.
- *Characterizations of classical polar spaces by intersection numbers* at *Geometry Seminar*, University Federico II, Naples, Italy, July 10, 2007.

### 3.3 Talks at conferences

- *Veronesean representations of projective planes over quadratic alternative division algebras* at Buildings 2013, Münster, Germany, September 30, 2014.
- *The geometries of the Freudenthal-Tits magic square* at Algebra, Geometry and Computation, Eindhoven, Netherlands, July 2, 2014.
- *On Metrical completeness of Bruhat-Tits buildings* at Discrete groups and geometric structures, with applications V, Leuven, Belgium, June 2, 2014.
- *Imbrex geometries*, at Buildings 2013, Münster, Germany, October 8, 2013.
- *A combinatorial characterization of Severi varieties* at AMS-MAA joint meeting, San Diego, USA, Jan 12, 2013.
- *Projective planes over quadratic algebras* at Incidence geometry and buildings, Ghent, Belgium, Feb 6-10, 2012.
- *The Freudenthal-Tits magic square* at Finite geometries 2011, Irsee, Germany, June 25-29, 2011.
- *Can one define finite classical polar spaces in a combinatorial way?* at 33 ACCMCC, Newcastle, Australia, December 6-10, 2009.
- *Constructions and characterizations of quasi-Hermitian varieties and singular quadrics* at Normfest, San Antonio, TX, USA, March 26-29, 2009.
- *Constructions of authentication codes* at NATO Advanced Research Workshop Veliko Tarnovo, Bulgaria, October 6-9, 2008.
- *Characterizations of Veronesean surfaces* at *Buildings 2008*, U. Münster, Münster, Germany, September 29-October 1, 2008.
- *A characterization result for Veroneseans* at *Geometric and algebraic combinatorics 4*, Oisterwijk, The Netherlands, August 16-22, 2008.
- *A characterisation of Veroneseans* at *Combinatorics 2008*, Costermano, Italy, June 22-28, 2008.
- *Geometric authentication codes* at 9th Nordic Combinatorial Conference, Bergen, Norway, November 23-24, 2007.
- *Characterizations of classical finite polar spaces by intersection numbers* at Kolloquium über Kombinatorik, Magdeburg, Germany, November 16-17, 2007.
- *Characterizations of finite classical polar spaces by intersection numbers* at *Buildings 2007*, U. Münster, Münster, Germany, October 8-11, 2007.
- *Generalised dual arcs and Veronesean surfaces, with applications to cryptography* at *Proceedings Optimal Codes and related topics*, Balchik, Bulgaria, June 16-22, 2007.
- *Minimal codewords in binary Reed-Muller codes* at Sixth Shanghai conference on combinatorics, Shanghai, China, May 24-28, 2008.
- *Minimal codewords in Reed-Muller codes* at *Combinatorics 2006*, Ischia, Italia, June 25-29, 2006.

### 3.4 Local seminar talks and Ph.D. events

- *New Laguerre planes* at Seminar on Incidence Geometry UGent-V.U.B-U.L.B., V.U.B, Brussels, May 6, 2011.
- *Characterizations of generalized Veroneseans, and their use in cryptography* at Seminar of Mathematics and statistics, University of Canterbury, Christchurch, New-Zealand, September 10, 2009.
- *The 2-transitive transplantable isospectral drums* at Seminar on Incidence Geometry UGent-U.L.B., Ghent University, Ghent, Belgium, April 3, 2009.
- *Authentication codes from generalized quadrangles* at Second Bcrypt Ph.D day, K.U. Leuven, Leuven, Belgium, October 13, 2008.
- *Generalised Veroneseans and applications* at Bcrypt Ph.D day, U.C.L, Genval, Belgium, April 30, 2008.
- *Minimal codewords in Reed-Muller codes* at *Seminar Incidence Geometry*, Ghent University, Ghent, Belgium, April 25, 2008.
- *A characterization result for Veroneseans* at Seminar on Incidence Geometry UGent-V.U.B-U.L.B., Ghent University, Ghent, February 8, 2008.
- *Generalised dual arcs and Veronesean surfaces, with applications to cryptography* at Second Ph.D. day of the B.M.S, U.L.B., Brussel, September 10, 2007.
- *A characterization of quadrics by intersection numbers* at *Seminar Incidence Geometry*, Ghent University, Ghent, Belgium, January 19, 2007.

### 3.5 Other Attended Conferences

- Algorithms for linear groups, Banff, Canada, 17-21 November 2014.
- 50 ans du séminaire Chevalley, Luminy, France, 22-26 September 2014.
- Geometry and groups after Thurston, Trinity College, University College Dublin, Dublin, Ireland, 27-31 August 2013.
- Groups St Andrews 2013, University of Saint Andrews, Saint Andrews, Scotland, UK, 3-11 August 2013.
- Combinatorics, Algebra and More: Peter Cameron's retirement conference, Queen Mary, University of London, London, England, UK, 8-10 July 2013.
- Lie theory workshop, University of California San Diego, San Diego, USA, January 19-20, 2013.
- Third Abel Conference: A Mathematical Celebration of Endre Szemerédi, IMA, Minneapolis, Minnesota, November 29-December 1, 2012.
- Buildings 2011, University of Münster, Münster, Germany, October 4-6, 2011.
- Groups, representations and number theory, NZIMA/NZMRI summer workshop, Hanmer springs, New-Zealand, January 3-10, 2010.
- Workshop on probabilistic techniques and its applications, UCLA, Los Angeles, California, USA, October 5-9, 2009.
- Chat Yin Ho Memorial Conference on combinatorics and groups, University of Florida, Gainesville, USA, February 20-26, 2008.
- Buildings and groups, Ghent University, Ghent, May 20-26, 2007.
- WCC 2007, INRIA, Paris, France, April 16-20, 2007.
- Kolloquium über Kombinatorik, Magdeburg, Germany, November 14-16, 2006.
- Finite geometries, Irsee, Germany, September 10-16, 2006.
- Baer Colloquium, Ghent University, Ghent, Belgium, June 10, 2005.
- Buildings, groups and algebras, A conference in honour of Jacques Tits, Ghent University, Ghent, Belgium, October 14-15, 2005.

## 4 Teaching and student supervision

### 4.1 Teaching Experience

I have put the approximate student numbers in brackets for each course. They range from 5 to 300.

#### *Instructor*

- 2014-2015: LTCC: Graduate course on Buildings.
- 2012-2013 (University of California, San Diego, USA):  
Fall: Calculus (MATH10A) (120), Vector Calculus (MATH20E) (200)  
Winter: Calculus (MATH10C) (120), Linear Algebra (MATH20F) (300)
- 2010-2012: (Université Libre de Bruxelles, Belgium):  
Linear algebra and geometry, first year of mathematics and physics. (150)  
Basic mathematics and elementary logic, first year of mathematics. (50)  
Group Theory, fourth year of Mathematics. (15)  
Mathematics, first year of sciences. (350)
- 2010: (University of Canterbury, New-Zealand):  
Coding theory, third year mathematics and engineers. (100)  
Combinatorics, third year mathematics. (50)

#### *Teaching fellow (at Ghent University, Belgium)*

- 2008-2009: Discrete mathematics, first year of mathematics. (40)
- 2007-2008, 2008-2009: Coding theory and Cryptography, third year of mathematics + optional course for computer scientists and engineers. (15)
- 2006-2007, 2008-2009 :Capita selecta in geometry, optional course for mathematicians. (5)
- 2006-2007, 2007-2008, 2008-2009: Coding theory, third year of mathematics + optional course for computer scientists and engineers. (15)
- 2005-2006: Mathematics, first year of sciences (basically a first course in calculus). (300)

### 4.2 Student supervision

#### Students

- *The Nielsen-Schreier theorem* Summer project, Paul Cosma, Imperial College, Summer 2014.
- *The Snake Lemma* Summer project, Isabelle Kirk, Imperial College, Summer 2014.
- *Algebraic function fields* Master thesis, Loïc Delzenne, Université Libre de Bruxelles, Belgium, 2011-2012.
- *Gödel's theorem* Bachelor project, Laurent Moortgat, Université Libre de Bruxelles, Belgium, 2011-2012.
- *An introduction to scheme theory* Bachelor project, Charel Anthony, Université Libre de Bruxelles, Belgium, 2011-2012.
- *Composition algebras.* Bachelor project, Nicephore Bayekula, Université Libre de Bruxelles, Belgium, 2011-2012.

- *The prime number theorem*. Bachelor project, Hoan-Phung Bui, Université Libre de Bruxelles, Belgium, 2010-2011.
- *Quadratic reciprocity*. Summer research project, Cathy Neill, UC Canterbury, New Zealand, December 2009-January 2010.
- *The Galois Puzzle*. Summer research project, Robin Candy, UC Canterbury, New Zealand, December 2009-January 2010.
- *The Buekenhout-Lefèvre theorem for generalized quadrangles*. Bachelor thesis, Piet-Michiël Rappelet, Ghent University, 2009.

## 5 Outreach

### 5.1 Refereeing

- *Bulletin of the London Mathematical Society*
- *Journal of Algebra*,
- *Afrika Matematika*,
- *Journal of Algebraic Combinatorics*,
- *Designs, Codes and Cryptography*,
- *Innovations in Incidence Geometry*,
- *Discrete Mathematics*,

### 5.2 Membership of professional organizations

- Combinatorial Mathematics Society of Australasia, 2009–.
- *EIDMA (Euler Institute for Discrete Mathematics and its Applications)*, 2006–.
- *Belgian Mathematical Society — Simon Stevin*, 2001–.

### 5.3 Services

- Organizer of a conference on Bruhat-Tits buildings at Imperial College in January 2015.
- Organizer of a reading group on "Reductive algebraic groups", Imperial College, 2013-2014.
- Active in outreach program for high school students, 2013-2014, Imperial College.
- Lectures at science Camp for high school girls aged 12-16, London, October 19, 2013.
- Involvement in Amos bursary, a program to support bright African and Caribbean teenagers, 2013-2014.
- Co-organizer of the joint ULB-VUB-UGENT seminar on Incidence geometry 2011-2012.
- Co-organizer of a reading group on expander graphs at U.L.B., 2011-2012.
- Organizer of the Math seminar at UC Canterbury, New Zealand in 2010.
- Co-organizer conference *Galois geometries and its applications* at Ghent University (Belgium) on 25-29 May 2009.
- Actively involved in attraction of first year math students in 2009 in Ghent in the form of helping to outline the project, high school visits, teaching courses and helping organizing a puzzle afternoon for interested high school students. Similar help in 2011 at U.L.B, including a talk for high school students for UREM
- Regular help with scientific activities, e.g. Science Fest Flanders while in Ghent, student info day at ULB.



## 6 Publication list

### 6.1 Journal Publications

- (SVM4) J. Schillewaert and H. Van Maldeghem, On the varieties of the second row of the split Freudenthal-Tits Magic Square, Accepted for publication in *Annales de l'institut Fourier*.
- (SS2) J. Schillewaert and K. Struyve, The exceptional homogeneous compact geometries of type C3 are simply connected, Accepted for publication in *Groups, Geometry and Dynamics*.
- (KS) L. Kramer and J. Schillewaert, Strongly transitive actions on Euclidean buildings, Accepted for publication in *Israel J. Math.*.
- (KSV) O. Krauss, J. Schillewaert and H. Van Maldeghem Veronesean representations of Moufang planes, *Mich. Math. J.* **64** (2015), Issue 4, 819–847.
- (SS) J. Schillewaert and K. Struyve, Severi's theorem for  $d$ -uple Veronese varieties, *C. R. Acad. Sci. Paris, C. R. Math. Acad. Sci. Paris* **353** (2015), no. 4, 333–338.
- (SV) J. Schillewaert and J. Verstraëte, Probabilistic Constructions in Generalized Quadrangles, *Discrete Math., Discrete Math.* **338** (2015), no. 6, 1000–1010.
- (SVM6) J. Schillewaert and H. Van Maldeghem. A combinatorial characterization of the Lagrangian Grassmannian  $LG(3, 6)\mathbb{K}$ , *Glasgow Math. J.*, Published online: 21 July 2015.
- (SVM3) J. Schillewaert and H. Van Maldeghem. Projective planes over quadratic two-dimensional algebras, *Adv. Math.* , **262** (2014), 784–822.
- (SVM5) J. Schillewaert and H. Van Maldeghem. Imbrex geometries, *J. Combin. Theory Ser. A.* **127** (2014), 286–302.
- (SKT3) J. Schillewaert and K. Thas. Construction and comparison of authentication codes, *SIAM J. Discrete Math.* **28-1** (2014), 474–489.
- (JSKS) J. Schillewaert and K. Struyve. Appendix to "Coarse rigidity of incomplete Euclidean buildings" by L. Kramer and R. Weiss, *Adv. Math.* **253** (2014), 1–49.
- (SVM2) J. Schillewaert and H. Van Maldeghem. Quadric Veronesean caps, *Bull. Belgian Math. Soc. — Simon Stevin* **20**, (2013), 19–25.
- (MSSS) B. Martin, J. Schillewaert, K. Struyve and G. Steinke. On metrical completeness of Euclidean buildings, *Adv. Geom.* , **13** (2013), 497–510.
- (DWSV) S. De Winter, J. Schillewaert and J. Verstraëte. Maximal incidence-free sets in projective geometries, *Elec. J. Comb.* ,**19**, (2012), P24.
- (STVM) J. Schillewaert, J. A. Thas, and H. Van Maldeghem. A characterization of the finite Veronesean by intersection properties, *Ann. Comb.* **16** (2012), no. 2, 331–348.
- (BDS) J. Bamberg, A. Devillers and J. Schillewaert. Weighted intriguing sets of finite generalised quadrangles, *J. Algebraic Combin.* **36** (2012), no. 1, 149–173.
- (KSS2) A. Klein, J. Schillewaert, and L. Storme. Generalized Veroneseans, *Adv. Geom.* , Online first.
- (SVM1) J. Schillewaert and H. Van Maldeghem. Hermitian Veronesean caps, *Springer Proceedings in Mathematics*, **12** (2012), 175–191.

- (SKT2) J. Schillewaert and K. Thas. The 2-transitive transplantable isospectral drums, *SIGMA* **7** (2011), 080, 8 pages.
- (SS2) J. Schillewaert and G. F. Steinke. Laguerre planes of Kleinewillinghöfer type V, *J. Aust. Math. Soc. A* **91** (2011), 257–274.
- (SS1) J. Schillewaert and G. F. Steinke. Laguerre planes of Kleinewillinghöfer type III.B, *Adv. Geom.* **11** (2011), 637–652.
- (DWS2) S. De Winter and J. Schillewaert. A note on singular quasi-quadrics and quasi-Hermitian varieties, *Bull. Belgian Math. Soc. — Simon Stevin* **17** (2010), 911–918.
- (DWS1) S. De Winter and J. Schillewaert. A characterization of finite polar spaces by intersection numbers, *Combinatorica* **30** (2010), 25–45.
- (SST) J. Schillewaert, L. Storme and J. A. Thas. Minimal codewords in binary Reed-Muller codes, *Des. Codes Cryptogr.* **54** (2010), 273–286.
- (DCC) J. De Beule, Y. Edel, E. Käsper, A. Klein, S. Nikova, B. Preneel, J. Schillewaert and L. Storme. Galois geometries and applications. *Des. Codes Cryptogr.* **56** (2010), 85–86.
- (KSS1) A. Klein, J. Schillewaert, and L. Storme. Generalized dual arcs and Veronesean surfaces, with applications to cryptography, *J. Combin. Theory Ser. A.* **116** (2009), 684–698.
- (SJT) J. Schillewaert and J. A. Thas. Characterizations of Hermitian varieties by intersection numbers, *Des. Codes Cryptogr.* **50** (2009), 41–60.
- (S3) J. Schillewaert. A characterization of quadrics by intersection numbers, *Des. Codes Cryptogr.* **48** (2008), 165–175.

## 6.2 Conference proceedings and reports

- (SKT1) J. Schillewaert and K. Thas The category of authentication codes, Oberwolfach Preprint 2012-05.
- (S2) J. Schillewaert. Generalised dual arcs and Veronesean surfaces, with applications to cryptography, *Proceedings Optimal Codes and Related Topics*, (2007), 126–131.
- (S1) J. Schillewaert. Geometric authentication codes, *Proceedings of the Academy Contact Forum Coding Theory and Cryptography II at the Royal Flemish Academy of Belgium for Science and the Arts* (September 21, 2007) (2008), 101–112.

## 6.3 Preprints

- (STV) J. Schillewaert, M. Tait and J. Verstraëte, Small Maximal Independent Sets, preprint.
- (DKSV) A. De Schepper, O. Krauss, J. Schillewaert and H. Van Maldeghem Veronesean representations of projective spaces over quadratic associative algebras, preprint.