Curriculum Michel Van den Bergh

Personal data

- Birthdate : 25-7-60[1]
- Spouse : Gerda Bust
- Children : Bertold (9-8-90) and Sarah (3-3-99).

Employment

- 1-9-82 to 31-7-87, Researcher at the FWO[2].
- 1-9-85 to 31-12-85, Instructor at the Massachusetts. Institute of Technology (MIT), Cambridge, Massachusetts.
- 15-8-87 to 1-7-88, C.L.E. Moore Instructor at the MIT.
- 1-10-88 to 31-12-88, Assistant UIA[3].
- 1-1-89 to 31-12-90, Senior researcher at the FWO.
- 1-1-91 to 30-9-91, Assistant UIA.
- 1-10-91 to 30-9-92, Visiting position at the Institut des Hautes Etudes Scientifiques (IHES), Paris.
- 1-10-92 to 1-10-95, Professor at the Institut Louis Pasteur, Strasbourg (tenured position).
- 1-10-93 to -, Director of research at the FWO ("onderzoeksleider").
- 1-10-94 to -, part time appointment at the "Free University Of Brussels".
- 15-1-95 to 31-5-95, Visiting Associate Professor at MIT.
- 1-1-98 to 23-7-98, Visiting Professor at MIT.
- 1-2-00 to 30-4-00, Visiting "Key Senior Scientist" at the Mathematical Sciences Research Institute (MSRI) te Berkeley (USA).
- 22-12-03 to 18-6-04, Visiting position at tbe Mittag Leffler Institute in Stockholm.
- 15-06-06 to 15-07-06, Invited professor at Paris 7.

Scientific carreer

- 10-7-79 to 7-7-82, Under graduate degree at the UIA (greatest distinction)
- 22-3-85, PhD in Mathematics, UIA
- 17-5-90, "Hoger Aggregaat[4]", UIA

Scientific distinctions

- 20-12-87, Laureat of the Belgian Academy of Sciences
- 7-6-97, Five-yearly "Alumni Prize" in mathematics.
- 23-6-2003, "Francqui Prize" (interdisciplinary prize by the Belgian Francqui Foundation).

[1] All dates are in the day-month-year format

[2] The FWO is the Belgian equivalent of for example the CNRS in France or the NSF in the USA

[3] UIA is the main university in Antwerp

[4] equivalent of "Habilitation"

Organization of conferences

I was/am co-organizor of the following conferences.

- 14-2-2000 to 25-2-2000, MSRI, Interactions between algebraic geometry and non-commutative algebra.
- 14-4-2002 to 20-04-2002, OberWolfach, Interactions between algebraic geometry and non-commutative algebra.
- 12-1-2004 to 16-1-2004, Mittag-Leffler Institute, Non-commutative algebraic geometry.
- 9-8-04 to 27-08-04, International Centre for Theoretical Physics, Advanced summer school and workshop on non-commutative algebraic geometry.
- 22-10-2004 to 24-10-2004, Brussels, Francqui colloquium "Homological geometry".
- 7-5-2006 to 13-5-2006, OberWolfach, Interactions between algebraic geometry and non-commutative algebra.
- 18-9-2006 to 22-9-2006, Shanghai, Workshop on non-commutative algebraic geometry.
- 9-5-2010 to 15-5-2010, OberWolfach, Interactions between algebraic geometry and non-commutative algebra.

I was in the Scientific Advisory Panel for

- 18-12-2006 to 22-12-2006, Newton Institute Cambridge, Trends in Noncommutative Geometry.

Scientific responsabilities

- Editor "Advances in Mathematics"
- Editor "Journal of Algebra."
- Editor "Bulletin of the Belgian Mathematical Society"
- Editor "Algebras and Representation Theory"
- Editor "Journal of Noncommutative Geometry"
- Editor "Journal of Algebra and Number Theory"

Phd-students

Previous:

- Bert Sevenhant (1-10-01): Wild quivers: on a conjecture of Kac and the Ringel-Hall algebra.
- Martine Van Gastel (4-1-02): The local and global structure of non-commutative projective planes.
- Wendy Lowen (18-3-05): Deformation theory and Hochschild cohomology of abelian categories.
- Koen de Naeghel (27-2-06): Ideals of three dimensional Artin-Schelter regular algebras.
- Adam-Christiaan Van Roosmalen (15-5-2008): On the classification of hereditary categories.

Current:

- Louis de Thanhoffer de Volcey.

Monographs.

(1) L. Le Bruyn, M. Van den Bergh, and F. Van Oystaeyen, *Graded orders*, Birkhauser Boston Inc., Boston, MA, pp. vi+208, 1988.
(2) I. Reiten and M. Van den Bergh, *Two-dimensional tame and maximal orders of finite representation type*, Mem. Amer. Math. Soc. **80** (1989), viii+72.
(3) I. M. Musson and M. Van den Bergh, *Invariants under tori of rings of differential operators and related topics*, Mem. Amer. Math. Soc. **136** (1998), viii+85.
(4) M. Van den Bergh, *Blowing up of non-commutative smooth surfaces*, Mem. Amer. Math. Soc. **154** (2001), x+140.

Articles.

(5) M. Van den Bergh, *A duality theorem for Hopf algebras*, Methods in ring theory (Antwerp, 1983), NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci., vol. 129, Reidel, Dordrecht, pp. 517–522, 1984.
(6) S. Caenepeel, M. Van den Bergh, and F. Van Oystaeyen, *Generalized crossed products applied to maximal orders, Brauer groups and related exact sequences*, J. Pure Appl. Algebra **33** (1984), 123–149.
(7) M. Van den Bergh and J. Van Geel, *A duality theorem for orders in central simple algebras over function fields*, J. Pure Appl. Algebra **31** (1984), 227–239.
(8) M. Van den Bergh and J. Van Geel, *Algebraic elements in division algebras over function fields of curves*, Israel J. Math. **52** (1985), 33–45.
(9) M. Van den Bergh, *On a theorem of Cohen and Montgomery*, Proc. Amer. Math. Soc. **94** (1985), 562–564.
(10) M. Van den Bergh, *Graded Dedekind rings*, J. Pure Appl. Algebra **35** (1985), 105–115.
(11) M. Van den Bergh, *A note on graded K-theory*, Comm. Algebra **14** (1986), 1561–1564.
(12) L. Le Bruyn and M. Van den Bergh, *An explicit description of $T_{3,2}$*, Ring theory (Antwerp, 1985), Lecture Notes in Math., vol. 1197, Springer, Berlin, pp. 109–113, 1986.
(13) L. Le Bruyn, M. Van den Bergh, and F. Van Oystaeyen, *Proj of generic matrices and trace rings*, Comm. Algebra **14** (1986), 1687–1706.
(14) M. Van den Bergh, *The algebraic index of a division algebra*, Ring theory (Antwerp, 1985), Lecture Notes in Math., vol. 1197, Springer, Berlin, pp. 190–206, 1986.
(15) M. Van den Bergh, *Regular rings of dimension three*, Séminaire d'algèbre Paul Dubreil et Marie-Paule Malliavin (Paris, 1986), Lecture Notes in Math., vol. 1296, Springer, Berlin, pp. 228–234, 1987.
(16) M. Van den Bergh, *A note on graded Brauer groups*, Bull. Soc. Math. Belg. Sér. B **39** (1987), 177–179.
(17) M. Van den Bergh, *Linearisations of binary and ternary forms*, J. Algebra **109** (1987), 172–183.
(18) L. Le Bruyn and M. Van den Bergh, *The ramification divisor of regular tame orders. I*, Comm. Algebra **15** (1987), 1815–1840.

(19) M. Van den Bergh, *Division algebras over function fields of varieties*, Academiae Analecta **49** (1987), 127–135.
(20) M. Van den Bergh, *The Brauer-Severi scheme of the trace ring of generic matrices*, Perspectives in ring theory (Antwerp, 1987), NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci., vol. 233, Kluwer Acad. Publ., Dordrecht, pp. 333–338, 1988.
(21) L. Le Bruyn and M. Van den Bergh, *Regularity of trace rings of generic matrices*, J. Algebra **117** (1988), 19–29.
(22) M. Awami, M. Van den Bergh, and F. Van Oystaeyen, *Note on derivations of graded rings and classification of differential polynomial rings*, Bull. Soc. Math. Belg. Sér. A **40** (1988), 175–183.
(23) M. Van den Bergh, *Group rings over Dedekind rings*, Israel J. Math. **61** (1988), 295–300.
(24) M. Van den Bergh, *Algebraic splitting fields of division algebras*, Ring theory 1989 (Ramat Gan and Jerusalem, 1988/1989), Israel Math. Conf. Proc., vol. 1, Weizmann, Jerusalem, pp. 381–388, 1989.
(25) M. Van den Bergh, *The center of the generic division algebra*, J. Algebra **127** (1989), 106–126.
(26) C. Năstăsescu, M. Van den Bergh, and F. Van Oystaeyen, *Separable functors applied to graded rings*, J. Algebra **123** (1989), 397–413.
(27) M. Van den Bergh, *Trace rings of generic matrices are Cohen-Macaulay*, J. Amer. Math. Soc. **2** (1989), 775–799.
(28) M. J. Asensio, M. Van den Bergh, and F. Van Oystaeyen, *A new algebraic approach to microlocalization of filtered rings*, Trans. Amer. Math. Soc. **316** (1989), 537–553.
(29) M. Van den Bergh and F. Van Oystaeyen, *Lifting maximal orders*, Comm. Algebra **17** (1989), 341–349.
(30) M. Artin, J. Tate, and M. Van den Bergh, *Some algebras associated to automorphisms of elliptic curves*, The Grothendieck Festschrift, Vol. I, Progr. Math., vol. 86, Birkhäuser Boston, Boston, MA, pp. 33–85, 1990.
(31) M. Artin and M. Van den Bergh, *Twisted homogeneous coordinate rings*, J. Algebra **133** (1990), 249–271.
(32) H. S. Li, M. Van den Bergh, and F. Van Oystaeyen, *Note on the K_0 of rings with Zariskian filtration*, K-Theory **3** (1990), 603–606.
(33) H. S. Li, M. Van den Bergh, and F. Van Oystaeyen, *Global dimension and regularity of Rees rings for non-Zariskian filtrations*, Comm. Algebra **18** (1990), 3195–3208.
(34) M. Van den Bergh, *Differential operators on semi-invariants for tori and weighted projective spaces*, Topics in invariant theory (Paris, 1989/1990), Lecture Notes in Math., vol. 1478, Springer, Berlin, pp. 255–272, 1991.
(35) M. Artin, J. Tate, and M. Van den Bergh, *Modules over regular algebras of dimension* 3, Invent. Math. **106** (1991), 335–388.
(36) M. Van den Bergh, *Cohen-Macaulayness of modules of covariants*, Invent. Math. **106** (1991), 389–409.
(37) L. Le Bruyn and M. Van den Bergh, *Algebraic properties of linear cellular automata*, Linear Algebra Appl. **157** (1991), 217–234.
(38) M. Van den Bergh, *Cohen-Macaulayness of modules of invariants for* SL_2, J. Algebra **142** (1991), 273–284.

(39) M. Van den Bergh, *Explicit rational forms for the Poincaré series of the trace rings of generic matrices*, Israel J. Math. **73** (1991), 17–31.
(40) C. Apostolopoulos, M. Van den Bergh, and F. Van Oystaeyen, *On Schur rings of group rings of finite groups*, Comm. Algebra **20** (1992), 2139–2152.
(41) A. Schofield and M. Van den Bergh, *The index of a Brauer class on a Brauer-Severi variety*, Trans. Amer. Math. Soc. **333** (1992), 729–739.
(42) A. Jensen, S. Jøndrup, and M. Van den Bergh, *Artinian quotient rings of filtered rings*, J. Algebra **161** (1993), 230–236.
(43) L. Le Bruyn and M. Van den Bergh, *On quantum spaces of Lie algebras*, Proc. Amer. Math. Soc. **119** (1993), 407–414.
(44) M. Van den Bergh, *Cohen-Macaulayness of semi-invariants for tori*, Trans. Amer. Math. Soc. **336** (1993), 557–580.
(45) M. Van den Bergh, *Noncommutative homology of some three-dimensional quantum spaces*, Proceedings of Conference on Algebraic Geometry and Ring Theory in honor of Michael Artin, Part III (Antwerp, 1992), vol. 8, pp. 213–230, 1994.
(46) M. Van den Bergh, *A converse to Stanley's conjecture for* Sl_2, Proc. Amer. Math. Soc. **121** (1994), 47–51.
(47) A. Schofield and M. Van den Bergh, *Division algebra coproducts of index n*, Trans. Amer. Math. Soc. **341** (1994), 505–517.
(48) M. Van den Bergh, *Modules of covariants*, Proceedings of the International Congress of Mathematicians, Vol. 1, 2 (Zürich, 1994), Birkhäuser, Basel, pp. 352–362, 1995.
(49) J. Tate and M. Van den Bergh, *Homological properties of Sklyanin algebras*, Invent. Math. **124** (1996), 619–647.
(50) L. Le Bruyn, S. P. Smith, and M. Van den Bergh, *Central extensions of three-dimensional Artin-Schelter regular algebras*, Math. Z. **222** (1996), 171–212.
(51) M. Van den Bergh, *A translation principle for the four-dimensional Sklyanin algebras*, J. Algebra **184** (1996), 435–490.
(52) M. Van den Bergh, *Some rings of differential operators for* Sl_2*-invariants are simple*, J. Pure Appl. Algebra **107** (1996), 309–335.
(53) J. Alev, A. Ooms, and M. Van den Bergh, *A class of counterexamples to the Gelfand-Kirillov conjecture*, Trans. Amer. Math. Soc. **348** (1996), 1709–1716.
(54) M. Van den Bergh, *Division algebras on* $\mathbf{P}^2$ *of odd index, ramified along a smooth elliptic curve are cyclic*, Algèbre non commutative, groupes quantiques et invariants (Reims, 1995), Sémin. Congr., vol. 2, Soc. Math. France, Paris, pp. 43–53, 1997.
(55) M. Van den Bergh and M. Van Gastel, *Graded modules of Gelfand-Kirillov dimension one over three-dimensional Artin-Schelter regular algebras*, J. Algebra **196** (1997), 251–282.
(56) M. Van den Bergh, *Existence theorems for dualizing complexes over non-commutative graded and filtered rings*, J. Algebra **195** (1997), 662–679.
(57) K. E. Smith and M. Van den Bergh, *Simplicity of rings of differential operators in prime characteristic*, Proc. London Math. Soc. (3) **75** (1997), 32–62.

(58) M. Van den Bergh, *A relation between Hochschild homology and cohomology for Gorenstein rings*, Proc. Amer. Math. Soc. **126** (1998), 1345–1348.
(59) T. Gateva-Ivanova and M. Van den Bergh, *Semigroups of I-type*, J. Algebra **206** (1998), 97–112.
(60) K. Bauwens and M. Van den Bergh, *Normalizing extensions of the two-Veronese of a three-dimensional Artin-Schelter regular algebra on two generators*, J. Algebra **205** (1998), 368–390.
(61) B. Sevenhant and M. Van den Bergh, *On the number of absolutely indecomposable representations of a quiver*, J. Algebra **221** (1999), 29–49.
(62) B. Sevenhant and M. Van den Bergh, *On the double of the Hall algebra of a quiver*, J. Algebra **221** (1999), 135–160.
(63) M. Van den Bergh, *Local cohomology of modules of covariants*, Adv. Math. **144** (1999), 161–220.
(64) K. Ajitabh and M. Van den Bergh, *Presentation of critical modules of GK-dimension* 2 *over elliptic algebras*, Proc. Amer. Math. Soc. **127** (1999), 1633–1639.
(65) J. Alev, A. I. Ooms, and M. Van den Bergh, *The Gelfand-Kirillov conjecture for Lie algebras of dimension at most eight*, J. Algebra **227** (2000), 549–581.
(66) M. Van den Bergh, *Abstract blowing down*, Proc. Amer. Math. Soc. **128** (2000), 375–381.
(67) A. Schofield and M. Van den Bergh, *Semi-invariants of quivers for arbitrary dimension vectors*, Indag. Math. (N.S.) **12** (2001), 125–138.
(68) B. Sevenhant and M. Van den Bergh, *A relation between a conjecture of Kac and the structure of the Hall algebra*, J. Pure Appl. Algebra **160** (2001), 319–332.
(69) I. Reiten and M. Van den Bergh, *Grothendieck groups and tilting objects*, Algebr. Represent. Theory **4** (2001), 1–23.
(70) J. T. Stafford and M. Van den Bergh, *Noncommutative curves and noncommutative surfaces*, Bull. Amer. Math. Soc. (N.S.) **38** (2001), 171–216 (electronic).
(71) I. Reiten and M. Van den Bergh, *Noetherian hereditary abelian categories satisfying Serre duality*, J. Amer. Math. Soc. **15** (2002), 295–366 (electronic).
(72) M. Van den Bergh, *Erratum to: "A relation between Hochschild homology and cohomology for Gorenstein rings" [Proc. Amer. Math. Soc.* **126 (1998), no. 5, 1345–1348; MR 99m:16013**], Proc. Amer. Math. Soc. **130** (2002), 2809–2810 (electronic).
(73) M. Van den Bergh and M. Van Gastel, *On the structure of non-commutative regular local rings of dimension two*, Comm. Algebra **30** (2002), 4575–4588.
(74) M. Van den Bergh, *Non-commutative crepant resolutions*, The Legacy of Niels Hendrik Abel, Springer, pp. 749–770, 2002.
(75) A. Bondal and M. Van den Bergh, *Generators and representability of functors in commutative and noncommutative geometry*, Moscow Mathematical Journal **3** (2003), 1–36.
(76) W. Crawley-Boevey and M. Van den Bergh, *Absolutely indecomposable representations and Kac-Moody Lie algebras*, Invent. Math. **155** (2004), 537–559.

(77) M. Van den Bergh, *Three-dimensional flops and noncommutative rings*, Duke Math. J. **122** (2004), 423–455.
(78) K. de Naeghel and M. van den Bergh, *Ideal classes of three-dimensional Sklyanin algebras*, J. Algebra **276** (2004), 515–551.
(79) M. Van den Bergh, *A remark on a theorem by Deligne*, Proc. Amer. Math. Soc. **132** (2004), 2857–2858 (electronic).
(80) K. De Naeghel and M. Van den Bergh, *Ideal classes of three dimensional Artin-Schelter regular algebras*, J. Algebra **283** (2005), 399–429.
(81) M. Van den Bergh, *On the $\mathbb{Z}D_\infty$ category*, Proceedings of the 37th Symposium on Ring Theory and Representation Theory, Symp. Ring Theory Represent Theory Organ. Comm., Osaka, pp. 103–112, 2005.
(82) W. Lowen and M. Van den Bergh, *Hochschild cohomology of abelian categories and ringed spaces*, Adv. Math. **198** (2005), 172–221.
(83) W. Lowen and M. Van den Bergh, *Deformation theory of abelian categories*, Trans. Amer. Math. Soc. **358** (2006), 5441–5483.
(84) L. Hille and M. Van den Bergh, *Fourier-Mukai transforms*, Handbook of tiltingtheory, London Mathematical Society Lecture Note Series, vol. 332, Cambridge University Press, pp. 147–173, 2007.
(85) K. De Naeghel and M. Van den Bergh, *On incidence between strata of the Hilbert scheme of points on $\mathbb{P}^2$*, Math. Z. **255** (2007), 897–922.
(86) M. Van den Bergh, *On global deformation quantization in the algebraic case*, Journal of Algebra **315** (2007), 326–395.
(87) M. Van den Bergh, *Double Poisson algebras*, Trans. Amer. Math. Soc. **360** (2008), 5711–5769.
(88) J. T. Stafford and M. Van den Bergh, *Noncommutative resolutions and rational singularities*, Michigan Math. J. **57** (2008), 659–674.
(89) M. Van den Bergh, *Non-commutative quasi-Hamiltonian spaces*, Poisson geometry in mathematics and physics, Contemp. Math., vol. 450, Amer. Math. Soc., Providence, RI, pp. 273–299, 2008.
(90) M. Van den Bergh, *The Kontsevich weight of a wheel with spokes pointing outward*, Algebr. Represent. Theory **12** (2009), 443–479.

Accepted for publication.

(91) D. Calaque and M. Van den Bergh, *Global formality at the G_∞ level*, to appear in Moscow Math. Journal (special Deligne issue).
(92) D. Calaque and M. Van den Bergh, *Hochschild cohomology and Atiyah classes*, to appear in Advances in Mathematics.
(93) D. Calaque, C. Rossi, and M. Van den Bergh, *Hochschild cohomology for Lie algebroids*, to appear in IMRN.
(94) W. Lowen and M. Van den Bergh, *A Hochschild cohomology comparison theorem for prestacks*, to appear in Trans. Amer. Math. Soc..
(95) B. Keller, D. Murfet, and M. Van den Bergh, *On two examples by Iyama and Yoshino*, to appear in Composition Math..

Submitted.

(96) M. Van den Bergh, *Non-commutative quadrics*, submitted.
(97) M. Van den Bergh, *Non-commutative $\mathbb{P}^1$-bundles over commutative schemes*, submitted.

(98) R. Buchweitz, G. Leuschke, and M. Van den Bergh, *Non-commutative desingularization of determinantal varieties, I*, submitted.
(99) D. Calaque, C. Rossi, and M. Van den Bergh, *Caldararu's conjecture and Tsygan's formality*, submitted.

In preparation.

(100) S. P. Smith and M. Van den Bergh, *Global dimension of primitive quotients of the four-dimensional Sklyanin algebra*, in preparation.
(101) M. Van den Bergh, *The non-commutative Cremona transform*, in preparation.
(102) D. Calaque and M. Van den Bergh, *Compatibility with cupproduct for arbitrary manifolds*, in preparation.

Notes.

(103) M. Van den Bergh, *Some generalities on G-equivariant quasi-coherent O_X and D_X-modules*, notes.
(104) M. Van den Bergh, *Notes on de Jong's period=index theorem for central simple algebras over fields of transcendence degree two*, notes.
(105) M. Van den Bergh, *Notes on formal deformations of abelian categories*, notes.

Appendices.

(106) Y. Berest and G. Wilson, *Ideal classes of the Weyl algebra and noncommutative projective geometry (with an appendix by Michel Van den Bergh)*, Int. Math. Res. Not. **26** (2002), 1347–1396.
(107) B. Keller and I. Reiten, *Acyclic Calabi-Yau categories*, Compos. Math. **144** (2008), 1332–1348.
(108) R. Bocklandt, *Graded Calabi Yau algebras of dimension 3*, J. Pure Appl. Algebra **212** (2008), 14–32.
(109) B. Keller, *Deformed Calabi-Yau completions*, appendix by M. Van den Bergh.

Invited Lectures and stays abroad

(1) 29-1-84 to 4-2-84, Oberwolfach, lecture at the conference "Brauergroups of Fields".
(2) 26-8-84 to 1-8-84, Luminy, lecture at the conference "Ring Theory".
(3) 23-1-86, Paris, lecture at the Seminar Malliavin.
(4) 27-6-87, Zurich, lecture at the Seminar P. Gabriel.
(5) 4-11-87, Yale Univ., Colloquim lecture.
(6) 12-11-87, Brandeis Univ., lecture at the MIT, Harvard, Brandeis colloquim.
(7) 29-5-88 to 4-6-88, OberWolfach, lecture at the conference "Orders and their applications".
(8) 26-12-88 to 1-1-89, Jerusalem, lecture on the conference in honor of S.A. Amitsur sixtieth birthday.
(9) 8-1-89 to 11-1-89, Beer Sheeba, lecture at a conference on "Hopf algebras".
(10) 20-3-89, Paris, lecture at the seminar Malliavin.
(11) 29-5-89, Paris, lecture at the seminar Malliavin.
(12) 4-6-89 to 10-6-89, Oberwolfach, lecture at the conference "Rings and modules".

(13) 10-6-89 to 21-6-89, Berkeley, lecture at the conference "Micro program on non-commutative rings".
(14) 9-11-89, Utrecht, colloquim lecture at the State University of Utrecht.
(15) 19-2-90, Paris, lecture at the seminar Malliavin.
(16) 10-12-90, Paris, lecture at the seminar Malliavin.
(17) 8-9-91, Paris, lecture at the enveloping algebra seminar.
(18) 13-1-92, Paris, lecture at the seminar Alev, Levasseur, Peskine (formerly organized by M.P. Malliavin).
(19) 30-6-92 Paris, lecture at the conference on Invariant Theory.
(20) 16-6-92, Orsay, lecture at the seminar on Algebraic geometry.
(21) 14-1-92, Grenoble, seminar lecture.
(22) 29-1-92, Strasbourg, seminar lecture.
(23) 30-1-92, Strasbourg, seminar lecture.
(24) 12-3-92, Reims, seminar lecture.
(25) 1-2-93, Paris, lecture at the seminar ALP.
(26) 15-4-94, Edinburgh, lecture at the Scottish Algebra day.
(27) 2-9-94 to 11-9-94, Zurich, section talk at the International Congress of Mathematicians (ICM94)
(28) 25-7-94 to 29-7-94, Almeria, lecturer in a Spanish summerschool on quantumspaces.
(29) 14-11-94, Paris, lecture at the seminar ALP.
(30) 18-11-94, Paris, lecture at the enveloping algebra seminar.
(31) 27-6-95 to 30-6-95, Reims, invited lecture at "Conctact Franco-Belge".
(32) 29-7-95 to 4-8-95, OberWolfach, lecture in the conference on "Enveloping Algebras".
(33) 20-9-95, Paris, lecture at the seminar ALP.
(34) 22-5-96 to 25-5-96, Antwerp, plenary lecture on the "Joint meeting of the Americal Mathematical Society and the Benelux Mathematical Societies".
(35) 19-6-96 to 21-6-96, Paris, lecture on the "Journees Solstice d'ete".
(36) 17-6-96 to 18-6-96, Louvain la Neuve, lecture at the "Euroconference on Linear Algebraic Groups and Related Structures"
(37) 23-5-97, Lyon, lecture at the Journee d'Algebre.
(38) 10-10-97, Copenhagen, seminar lecture.
(39) 16-11-97 to 22-11-97, OberWolfach, lecture at "Enveloping Algebras and Representation Theory".
(40) 17-8-97 to 23-8-97, Oberwolfach, lecture at "Noncommutative algebra and representation theory".
(41) 1-6-98,2-6-98, Univ. of Washington, algebra seminar lectures.
(42) 4-6-98, Eugene, Univ. of Oregon, colloquim lecture.
(43) 5-6-98, Eugene, Univ. of Oregon, algebra seminar lecture.
(44) 4-9-98, Bielefeld, plenary lecture on ICRTA8.5.
(45) 3-4-98, MIT, lecture in the seminar on infinite dimensional Lie algebras.
(46) 11-5-98, Boston, North Eastern Univ., lecture in representation theory seminar.
(47) Feb. '98-May '98, MIT, weekly series of lectures on "non-commutative blowing up".
(48) 16-10-98, Paris, lecture in the seminar on enveloping algebras.
(49) 19-10-98, Paris, lecture in the seminar Alev, Keller, Levasseur, Peskine.

(50) 8-4-99, Bonn, lecture in the seminar on "Non-commutative algebraic geometry" at the "Max Planck Institute fur Mathematik".
(51) 29-5-99 to 1-6-99, St John's, Canada, plenary lecture at the summer meeting of the Canadian Mathematical Society.
(52) 24-6-99 to 15-7-99, Bonn, lecture at a workshop on "Non-commutative algebraic geometry" at the MPI.
(53) 16-12-99, Utrecht, Colloquim lecture.
(54) 1-2-00 to 31-5-00, 6 lectures in a seminar on non-commutative geometry.
(55) 15-9-00 to 1-10-00, Bonn, lecture at a workshop on "Non-commutative algebraic geometry" at the MPI.
(56) 21-5-01, Paris, Lecture in the seminar Alev, Keller, Levasseur, Peskine.
(57) 23-6-01 to 29-6-01, Beer-Sheva, Plenary speaker on the Amitsur memorial symposium.
(58) 25-1-02 to 31-1-02, Paris, Lecture in the seminar Alev, Keller, Levasseur, Peskine and a
(59) Lecture in the seminar on enveloping algebras.
(60) 28-04-02 to 04-05-02, OberWolfach, Lecture at the conference on "Enveloping Algebras".
(61) 03-06-02 to 08-06-02, Oslo, Lecture at the Abel bicentennial conference.
(62) 02-09-02 to 08-09-02, Almeria, Two lectures at a conference on non-commutative algebraic geometry.
(63) 18-11-02 to 22-11-02, Fraueninsel, Germany, Two lectures at the symposium "Twenty years of tilting theory".
(64) 9-11-02 to 13-11-02, Luminy, Lecture at a conference on "Quiver varieties".
(65) 29-12-2002 to 2-02-2003, Michigan, Visit to Toby Stafford (2 lectures).
(66) 3-02-03 to 7-02-03, Berkeley, Lecture at a conference on "Commutative algebra".
(67) Feb' 03, Paris, Lecture in the Seminar Alev, Levasseur, Keller, Peskine.
(68) 11-03-03 to 15-03-03, Manchester, Lecture at a conference on "Geometric Representation and Invariant Theory".
(69) 2-06-03 to 06-06-03, Edinburgh, Tutorial lectures on applications of derived categories to non-commutative algebra.
(70) 14-07-03 to 18-07-03, Lisboa, Plenary lecture at a conference on "Algebras, Rings and Modules".
(71) 27-10-03 to 31-10-03, Luminy, Lectures on "Schémas de Hilbert, algébre noncommutative et correspondance de McKay".
(72) 12-1-04 to 17-1-04, Stockholm, Lecture at workshop.
(73) 14-6-04 to 21-7-04, Warwick, Lecture at workshop on non-commutative geometry.
(74) 2-8-04 to 7-8-04, Edinburgh, Lecture at workshop on "Quivers and strings".
(75) 9-8-04 to 27-8-04, Trieste, Course on homological algebra at the "International Center for Theoretical Physics".
(76) 26-8-04, Trieste, talk at workshop at the "International Center for Theoretical Physics".
(77) 3-9-04 to 5-9-04, Matsumoto, 3 lectures on conference on ring theory.
(78) 4-10-04, Paris, Lecture on a day in honor of Marie-Paule Malliavin.
(79) 6-2-05 to 12-02-05, Oberwolfach, 2 lectures in the meeting "Representation Theory of Finite-Dimensional Algebras".

(80) 17-4-05 to 14-5-05, Michigan, visit to Toby Stafford (no lecture).
(81) 14-5-05 to 21-5-05, Toronto, visit to Buchweitz (no lecture).
(82) 30-06-05, Bonn, lecture at the Max Planck Institute for Mathematics.
(83) 1-07-05, Bonn, lecture at Bonn University.
(84) 16-09-05 to 21-09-05, Spa, lecture in the ESF meeting "Geometric Representation and Invariant Theory Algebraic Quantization and Deformations".
(85) 17-10-05 to 21-10-05, Mainz, 5 lectures on the "Autumn school on deformation theory".
(86) 1-04-06 to 6-04-06, Banff, Canada, Lecture at the conference on "Recent trends in higher dimensional geometry".
(87) 7-05-06 to 13-05-06, Tokyo, Lecture at the conference "Poisson 2006".
(88) 15-06-06 to 15-07-06, Paris, 3 lectures.
(89) 16-09-06 to 28-09-06, Shanghai, lecture at Tiaotong University.
(90) 1-10-06 to 31-10-06, Cambridge, no lectures.
(91) 10-10-06, Oxford, Lecture in the algebraic geometry seminar.
(92) 10-11-06, Strasbourg, Lecture in a conference on operads.
(93) 11-11-06, Paderborn, Lecture at a conference in honor of Helmut Lenzing.
(94) 1-4-2007 to 7-4-2007, Lyon, Lecture.
(95) 26-8-2007 to 31-8-2007, Konstanz, Germany, 3 lectures on a summerschool devoted to de Jong's theorem.
(96) 10-9-2007 to 14-9-2007, Beijing, 3 lectures at the summerschool "Workshop on Categorification, Quantization and Clusters" at the Morning Side Center of Mathematics.
(97) 18-9-2007 to 22-9-2007, Almeria, conference in honor of Fred Van Oystaeyen.
(98) 1-11-07 to 30-11-07, Barcelona, Spain.
(99) 5-11-2008 to 15-11-2008, Barcelona, 1 lecture on meeting "Derived categories".
(100) 5-5-2008 to 30-06-2008, Barcelona, plenary lecture at "HOCAT 2008 - Homotopy structures in geometry and algebra; derived categories, higher categories".
(101) 11-8-2008 to 15-8-2008, Bonn, lecture at meeting on "Deformation quantization".
(102) 1-9-2008 to 5-9-2008, Pisa, lecture at "Cats 3".
(103) 28-11-2008 to 29-11-2008, Reims, lecture at meeting in honor of "Jacques Alev".
(104) 24-8-2009 to 28-8-2009, Kyoto, lecture at meeting on "non-commutative geometry".