

# CV – PHILIPP FAHR

## Personal Details

Name: Dierk **Philipp Fahr**, MSc, PhD.  
 Born: **14 December 1978 in Brussels, Belgium.**  
 Nationality: **German**  
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## Education

**Since Nov. 2007: Researcher at University of Bielefeld, Faculty of Mathematics.**  
 Member of the **research group BIREP** (Bielefeld Representation Theory).  
**Organiser** of a **Seminar** for Diploma students.

**2003 - 2007 :** **PhD thesis at University of Bielefeld, Faculty of Mathematics.**  
 Subject: **Representation Theory of Algebras.**  
 Supervisor: Prof. Dr. Dr. h.c. Claus Michael Ringel.  
 Working as **research assistant** at the Faculty of Mathematics: **Tutor**  
 in Analysis, Algebra, Number Theory.  
**Organiser** of a **Seminar** and **Studygroup for PhD students.**

**2002 - 2003:** **University of Cambridge, Trinity Hall College.**  
**Postgraduate course** in pure **Mathematics** (Part III/CASM),  
 Centre for Mathematical Sciences, DPMMS, Cambridge, UK.

**1999 - 2002:** **University College London (UCL), University of London.**  
 First Class Honours Degree: **Master of Mathematics (MSc).**

**1998 - 1999:** **Goldsmiths College, University of London.**  
 Studying for one year a bachelor degree course in **Mathematics,**  
**Computer Sciences** and **Statistics.**

**1997 - 1998:** **Classe Préparatoires aux Grandes Ecoles, Lycée Fénelon, and**  
**Université Pierre et Marie Curie, Paris VI, in Paris, France.**  
 Lectures in **Mathematics, Computer Science** and **Engineering.**

**July 1997:** **European Baccalaureate at the European School Brussels I.**

**1990 - 1997:** Secondary School at the **European School Brussels I, Belgium.**

**1985 - 1990:** Primary School at the **European School Brussels II, Belgium.**

## Work Experience

- **May 2007:** **Research Assistant** at the Faculty of Mathematics, University of Bielefeld.  
**Organiser** of a **Seminar** for Diploma students.

- **January 2007:** **Organiser** of the **seminar** “Kraft-Procesi reading course” & “Stability reading course” at the Faculty of Mathematics at the University of Bielefeld.  
[www.math.uni-bielefeld.de/birep/sem/kraftprocesi.html](http://www.math.uni-bielefeld.de/birep/sem/kraftprocesi.html)

- **May 2006:** **Organiser** of the scientific **workshop** “Cluster Algebras and Cluster-tilted algebras” at the University of Bielefeld (about 70 people taking part).  
[www.math.uni-bielefeld.de/birep/cluster/](http://www.math.uni-bielefeld.de/birep/cluster/)  
**Alumni meeting** of the **Friedrich-Ebert-Foundation** organised on 15 May 2006 in Bielefeld with about 30 people taking part.

- **Feb. 2005:** **Organiser** of the scientific **conference** “Perspectives in Mathematics” at the University of Bielefeld (about 130 people taking part).  
[www.math.uni-bielefeld.de/birep/2005\\_ringel/](http://www.math.uni-bielefeld.de/birep/2005_ringel/)

- **2003- :** **Research assistant** at the Faculty of Mathematics, University of Bielefeld.

**Tutor in Analysis and Linear Algebra. Organiser of the Studygroup, a research seminar for PhD-students on Representation Theory of Algebras.**  
([www.math.uni-bielefeld.de/birep/sem/studygroup/](http://www.math.uni-bielefeld.de/birep/sem/studygroup/))

Several **talks** in seminars on Mathematics and Philosophy.

- **Jul.-Aug. 2000:** **Junior Consultant** in a team of about 25 people at the **insurance company VHV** (Vereinigte Haftpflicht Versicherung) in Hanover, Germany. We set up an intranet solution for car insurances, dealing with the customers. I worked in programming, designing and **coordinating the project**, as well as holding a **presentation** to the CEO.
- **Sep.-Dec. 1999:** Helped to build up the new office of “**nova data Ltd.**” in **London, UK**, following my previous work for the company in Frankfurt, Germany. My main project was the set up of the **computer network** & contacts to the **investment bank “Dresdner Kleinwort Wasserstein“**.
- **June 1999:** **Internship** at “**nova data AG**” (now “**entory AG**”) in Frankfurt, Germany. Completed a project for the “**Dresdner Bank**“, mainly using JavaScript and dynamic Active Server Page technology for **database** access.
- **August 1998:** **Work experience** at “**The Virtual Solution GmbH**” in Munich, Germany for **Siemens**. I set up professional webpages and worked together in a team of **webpage designers** and network specialists.
- **July 1996:** **Work experience** at the **airline Lufthansa**.

### Language Skills

**German:** **Fluent.** Mother tongue.

**English:** **Fluent.** During 1998-2003 I lived and studied in the UK.

**French:** **Fluent.** Born in Brussels, lived in Belgium for 18 years, 1 year Paris (1997-1998).

**Spanish:** **Advanced.** During 1991-1995 a 4h/week Spanish course. Also attended a Spanish course in August 2002 in Hanover, Germany.

**Russian:** **Intermediate.** Three trips to Russia: 1992, 1994, 1996. Russian courses in July 1996 in Brussels and in August 1996, when I took private lessons by a university professor in Volgograd, Russia. Attended advanced Russian courses in 1999 and 2000 at the University of London Language Centres (UCL & Goldsmiths).

**Arabic:** **Beginner.** One term of Arabic courses at the School of Oriental and African Studies (**SOAS**) in London (1999).

**Latin:** 1992-1995 Latin courses at the European School (**Latinum**).

### IT Skills

- Programming: **HTML, JavaScript, VBA, VBS / Active Server Pages, FORTRAN, Pascal, Modula, Visual Basic, ML, CAML, Mathematica, Maple.**

- Office programs: **Microsoft Word, Excel, PowerPoint. Open Office, Photoshop, Latex.**

- Operating systems: **Microsoft Windows, Apple Macintosh, Linux/Unix.**

### Publications / Academic texts (see [www.philfahr.de.vu](http://www.philfahr.de.vu))

January 2008: **Mathematics:** Infinite Gabriel-Roiter measures for the 3-Kronecker quiver. **PhD thesis, Dissertation**, University of Bielefeld.

August 2007: **Mathematics:** A Partition Formula for Fibonacci Numbers, with C. M. Ringel, Published in **Journal of Integer Sequences**, Vol. 11 (Article 08.1.4), 2008.

December 2006: **Sociology:** Elites in society (after Hartmann). FORUM 2/2006 (ISSN 1613-6276). **Philosophy:** On the biography of A.N. Whiteheads, Bielefeld.

November 2006: **Philosophy/Mathematics:** A.N. Whitehead: Education & Mathematics, Bielefeld.

October 2006: **Politics:** The role of politicians in companies of energy supply, Tübingen. (Published in newspaper “Neue Westfälische” on 7 February 2007)

Sezember 2005: **Philosophy:** A.N. Whitehead on Freedom and Religion, Bielefeld.

- October 2005: **Mathematics/Philosophy:** Does Mathematics belong to the Humanities?  
FORUM-Zeitschrift 2/2005 (ISSN 1613-6276), FES.
- May 2003: **Mathematics:** Universal Enveloping Algebras of f.d. Lie Algebras, Cambridge.
- March 2002: **Mathematics** (Masters/MSc): Skew Fields of Fractions, UCL.
- May 1994: **Education:** Mathe-Genie (Educational software for school mathematics).

### Scholarships, Awards, Positions

- 2008:** - **Dissertation:** Infinite Gabriel-Roiter measures for the 3-Kronecker quiver.  
PhD thesis, University of Bielefeld, January 2008.
- 2007:** - **Article in newspaper** "Neue Westfälische" on politics & companies of energy supply.  
- March: 4<sup>th</sup> renewal of [e-Fellows.net](http://e-Fellows.net) scholarship.  
- April: Public lecture on politics & companies of energy supply, University of Bielefeld.  
- May: **Research Assistant at the Faculty of Mathematics**, University of Bielefeld.  
- May: Radio interview about my life, research and politics.  
- August: Talk at the International Conference of Representations of Algebras.
- 2006:** - March: **PhD-scholarship renewal** by the **Friedrich-Ebert-Foundation**.  
- April: 3<sup>rd</sup> renewal of [e-Fellows.net](http://e-Fellows.net) scholarship.  
- July: Re-elected into the council of the student union of the University of Bielefeld.
- 2005:** - March: 2<sup>nd</sup> renewal of [e-Fellows.net](http://e-Fellows.net) scholarship.  
- April: **PhD-Scholarship** by the **Friedrich-Ebert-Foundation** ([www.fes.de](http://www.fes.de)).  
- July: Member of the council of the student union of the University of Bielefeld.  
- August: Member of the **German Cambridge Society**.  
- December: Engagement with **Tina Hapke**.
- 2004:** - March: 1<sup>st</sup> renewal of [e-Fellows.net](http://e-Fellows.net) scholarship.  
- April: **President** of the University of Bielefeld **Debating Society**. (1 year tenure)
- 2003:** - March: **Scholar of** [e-Fellows.net](http://e-Fellows.net).  
- July: Awarded **Certificate of Advanced Studies in Mathematics**, University of Cambridge.  
- Recommendation for the German National Academic Foundation (Studienstiftung).
- 2002:** - **Honorary Scholar** of the **Cambridge European Trust**.  
- Trinity Hall, Cambridge: 2002-2003 award holder of the **Henry Fawcett Memorial Scholarship** in Mathematics.  
- July: **Masters (MSc)** at University College London (UCL).  
**First Class Honours degree**. Project: Skew Fields of Fractions.
- 1999:** - Goldsmiths College, University of London: A (First) in 1<sup>st</sup> year.  
**Computer Science** final mark: **87.45 %**  
**Statistics** and **Probability** final mark: **84.75 %**  
- Since July 1999 together with **Tina Hapke** ([www.tinahapke.de.vu](http://www.tinahapke.de.vu)).
- 1997:** - **European Baccalaureate (A-levels):** final result of **88.58 %**.  
Exams in Mathematics, Chemistry, Physics, English and German.  
Average final mark of **German Abitur: 1,0**.  
- Recommendation for the German National Academic Foundation (Studienstiftung).
- 1995:** - Final exam of 4-year **Spanish** course with **90 %**.  
- Latinum, 3-year **Latin** course final result: **80 %**.
- Of course I am in possession of a full, clean EU **driving licence**.

### Interests

- Debating:** Since October 2003 active member of the University of Bielefeld **Debating Society**. **President** April 2004 – May 2005. I took part at several tournaments in English and German. ([www.debattierclub-bielefeld.de](http://www.debattierclub-bielefeld.de))  
**Organisation** of the **1<sup>st</sup> Bielefeld Debating Day** on 15 January 2005 and of a debating show against Professors on 3 November 2005.
- Politics:** Member of the social democratic party (**SPD**, labour) since August 2003.  
In 1995 I took part in the "Model European Union Programme" at the

- Mentor:** **European Parliament** in Luxembourg.  
Since October 2003 supporting with the **Brother-Sister-Mentorship** foreign students at the University of Bielefeld as a mentor.
- Sports:** **Tennis** and **skiing**. During youth I was a **fencer** at the "Cercle Royal d'Etterbeek" in Brussels.
- Coaching:** The last four years of school I gave **private lessons** in mathematics and chemistry to other students at my school.  
In 1994 I developed a **mathematics learning software**.  
This project was very successful and is still widely used to teach in class.  
It can be downloaded from my website. Version for the Internet at [www.pisam.de](http://www.pisam.de) (thanks to my former math teacher).
- Magazine:** **Editor** and publisher of the **pupil magazine** "Leisure Suit" (1991-1992).
- Boy Scouts:** During my youth I was member of our local church boy scouts group in Brussels (1988-1995), where I was **treasurer** and **leader**.

### Conferences / Workshops

- March 2008: **Hanover:** CeBIT, Hal 4, SAP.
- November 2007: **Wuppertal:** Talk on PhD, "Infinite Gabriel-Roiter-Measures".
- October 2007: **Düsseldorf:** 10th NWDR-Workshop Representation Theory of Algebras.
- August 2007: **Torun, Poland:** International Conference of Representation Theory of Algebras.
- May 2007: **Trondheim, Norway:** Perspectives in Auslander-Reiten Theory.
- April 2007: **Bielefeld:** Representations, Cohomology and Support Spaces.
- February 2007: **Wuppertal:** 8th NWDR-Workshop Representation Theory of Algebras.
- January 2007: **Bielefeld:** Talks on the Process-Philosophy of A.N. Whitehead.
- November 2006: **Paderborn:** Representations of Algebras and their Geometry.  
**Bielefeld:** Talk on Education & Mathematics (Philosophy).  
**Berlin:** Friedrich-Ebert-Foundation: German-Chinese Dialogue.
- September 2006: **Bielefeld:** Hermann Weyl Conference  
**Bonn:** DMV-Meeting, Minisymposium 12 - Rep. Theory of Algebras  
**Tübingen:** Talk in a Seminar on the economy of energy supply.
- May 2006: **Bielefeld:** Workshop on Cluster Algebras and Cluster Tilted Algebras.  
**Oberwolfach:** Interactions between Algebraic Geometry and Noncommutative Algebra, Workshop.
- March 2006: **Mar del Plata, Argentina:** CIMPA - Representations of algebras.
- February 2006: **Hanover:** 7th NWDR-Workshop Representation Theory of Algebras.  
**Münster:** SFB-Workshop on Noncommutative Algebra.
- January 2006: **Trieste, Italy:** Advanced School on Representation Theory.
- December 2005: **Bielefeld:** Talk on Whitehead and Freedom (Philosophy).
- November 2005: **Berlin:** Seminar on education. Talk on Universitysystem in FR & UK.
- October 2005: **Paderborn:** 6th NWDR-Workshop Representation Theory of Algebras.
- August 2005: **Beijing, China:** Derived Categories in Representation Theory.
- June 2005: **Bonn:** Talk: Is Mathematics part of the humanities?
- March 2005: **Bielefeld:** Die Aktualität der Prozessphilosophie A.N. Whiteheads.
- February 2005: **Bielefeld:** Perspectives in Mathematics: Algebras and representations.
- December 2004: **Münster, Germany:** 4th NWDR-Workshop Representation Theory of Algebras.
- September 2004: **Luminy, France:** Representations and Cohomology.
- August 2004: **Mexico:** International Conference on Representation Theory of Algebras.
- July 2004: **Hanover, Germany:** 3rd NWDR-Workshop Representation Theory of Algebras.
- June 2004: **Uppsala, Sweden:** Representation Theory and its Applications.  
**Bielefeld:** 2nd NWDR-Workshop Representation Theory of Algebras.
- December 2003: **Paderborn, Germany:** 1st NWDR-Workshop Representation Theory.
- July 2003: **Lisbon, Portugal:** Algebras, Modules and Rings.

## Travel

September 2007: **Australia & New Zealand.**  
April 2006: **Amsterdam**, Netherlands.  
March 2006: Buenos Aires, Puerto Iguazu & Mar del Plata, **Argentina.**  
January 2006: **Trieste & Venice**, Italy.  
August 2005: Visiting the Chinese capital **Beijing.**  
March 2005: Skiing in the **Dolomites**, Italy.  
August 2004: Traveling through **Mexico.**  
August 2003: Traveling through **Georgia** (with Tbilisi).  
January 2003: Skiing in **Chamonix.**  
July 2002: 4-week tour through the **Provence / Cote d'Azur.**  
Juli 2001: Hiking through the **Bretagne**, France.  
April 2001: **Corsica**, France.  
July 1999: Two weeks in **Cairo**, Egypt.  
August 1997: Traveling through **Australia.**  
May 1996: School trip to **Iceland.**  
1995 & 1998: Trips to **Rome**, Italy.  
August 1995: **Volgograd**, and by ship to **Astrachan, Russia.**  
April 1995: Visit to the island **Gotland, Sweden.**  
November 1994: Trip to **Moscow.**  
April 1994: Traveling through the **Czech Republic** and visit to **Prague.**  
1992: Trip through **Poland, Kaliningrad** and **Lithuania.**