

# Curriculum Vitæ

## Personal Details

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<b>Nationality</b>	German	
<b>Marital Status</b>	Married, 1 child	
<b>Date of Birth</b>	March 31, 1978	

## Publications

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**SPIRES search** [FIND EA GROSSE, JOHANNES](#)

**arXiv preprints** [http://arxiv.org/find/grp\\_cs,grp\\_physics/1/0/au:+Grosse\\_J/0/1/0/all/0/1](http://arxiv.org/find/grp_cs,grp_physics/1/0/au:+Grosse_J/0/1/0/all/0/1)

- ☞ J. G., “MathPSfrag 2: Convenient LaTeX labels in Mathematica,” arXiv:0801.2175
- ☞ J. G., R. Janik, P. Surówka, “Flavors in an expanding plasma,” arXiv:0709.3910, accepted for publication in Phys. Rev. D.
- ☞ J. G., “MathPSfrag: LaTeX labels in Mathematica plots,” EuroBachTeX conference proceedings, to appear in TUGboat.
- ☞ J. G., “Quantum field theories coupled to supergravities: AdS/CFT and local couplings,” Ph.D. thesis, accepted for publication in Forts. d. Physik, arXiv:0711.0444, [original book version](#).
- ☞ J. Erdmenger, N. Evans and J. G., “Heavy-light mesons from the AdS/CFT correspondence,” JHEP **0701**, 098 (2007) [arXiv:hep-th/0605241].
- ☞ R. Apreda, J. Erdmenger, N. Evans, J. G., Z. Guralnik, “Instantons on D7 brane Probes and AdS/CFT with Flavor,” Proceedings of Corfu Conference on Constituents, Fundamental Forces and Symmetries of the Universe, Published in Fortsch. Phys. **54**, 266 (2006) [arXiv:hep-th/0601130].
- ☞ J. G., “MathPSfrag: Creating Publication-Quality Labels in Mathematica Plots,” arXiv:cs.GR/0510087.
- ☞ J. Erdmenger, J. G. and Z. Guralnik, “Spectral flow on the Higgs branch and AdS/CFT duality,” JHEP **0506**, 052 (2005) [arXiv:hep-th/0502224].

## Academic Career

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### Postdoctoral Position

Sep. 2006 Marie Curie fellowship,  
 – *Jagiellonian University, Cracow*  
 Sep. 2008

### Ph. D.

Mar. 2005 Research assistant (paid according to tariff BAT IIa/2) at the  
 – *Max-Planck-Institut für Physik,*  
 Sep. 2006 *Ludwig-Maximilians-Universität München*  
 Supervisor Dr. habil. Johanna Erdmenger  
 Thesis on “Quantum field theories coupled to supergravity”,  
 239 pages, magna cum laude

Apr. 2003 DFG (German Research Society) grant:  
 – Fellow of the Graduate College “The Standard Model of Particle  
 Feb. 2005 Physics — structure, precision tests and extensions,”  
*Humboldt-Universität zu Berlin*

### Physik-Diplom (corresponds to an M.Sc. with one year written thesis)

Dec. 2002 Thesis on “AdS/CFT Correspondence and Renormalization  
 Group Flows,” 117 pages, GPA 1.0 (“ausgezeichnet” = excel-  
 lent, best possible mark),  
 Supervisor Prof. Dieter Lüst  
*Humboldt-Universität zu Berlin*

### A-Level

Sep. 1997 Abitur, GPA 1.0 (best possible mark),  
*Lise-Meitner-Oberschule*

## Teaching Experience

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- Mar. 2007                      Lecture series on Supersymmetry (five lectures, 90 min. each)
- Feb. 2006                      “Unmögliche Leere” (Impossible emptiness), 4 hours, lecture/seminar on “nothing” from a physics perspective, on behalf of the PR department of MPI München as part of the program “Die Leere. Berührungen mit dem Nichts”, Junge Akademie der Katholischen Akademie in Bayern
- Oct. 2003 – Feb. 2004      Teaching Assistant (tutorial on thermodynamics, electrostatics and analytical mechanics, four hours a week, creating and marking of weekly exercises and two written exams)
- Oct. 2001 – Dec. 2002      Tutor (thermodynamics, classical mechanics and scattering theory)

## Conference Experience

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### Talks

- ☞ “Time dependent D7 embeddings,” DESY Theory Workshop *Quantum chromodynamics: string theory meets collider physics*, Hamburg, September 25–28, 2007
- ☞ “Meson spectra of an expanding plasma,” INI Workshop *Exploring QCD: Deconfinement, extreme environments and holography*, Isaac Newton Institute, Cambridge, August 20–24, 2007
- ☞ “MathPSfrag: creating LaTeX labels in Mathematica plots,” EuroBachTeX 2007 (joint EuroTeX and BachTeX conference), Bachotek, April 28 – May 2, 2007
- ☞ “AdS/CFT correspondence with fundamental fields,” XVI. Workshop *Beyond the Standard Model*, Bad Honnef, March 8–11, 2004.
- ☞ “Meson spectra from AdS/CFT correspondence,” 33rd British Universities Summer School in Theoretical Elementary Particle Physics (BUSSTEPP), London, August 26 – September 5, 2003

## Schools and Conferences

- ☞ *ENRAGEing ideas*, September 6–8, 2007, Utrecht University
- ☞ *XLVII. Cracow School of Theoretical Physics*, June 14–22, 2007, Zakopane
- ☞ *QCD and String Theory*, July 2–8, 2006, Ringberg Castle, Tegernsee
- ☞ *Strings 2006*, Beijing, June 19–24, 2006
- ☞ *RTN Winter School on Strings, Supergravity and Gauge Theories*, CERN, January 16–20, 2006
- ☞ *ASC Workshop on Dark Energy*, Munich, October 10–15, 2005
- ☞ *String Phenomenology 2005*, Ludwig-Maximilians-Universität München, June 13–18, 2005
- ☞ *Introductory School on “Recent Developments in Supersymmetric Gauge Theories,”* Miramare, Triest, June 14–25, 2004
- ☞ *String Steilkurs – Part II “Advanced Topics in String Theory,”* Hamburg, October 6–10, 2003
- ☞ *Workshop on Differential Geometry “Transformation Groups, Holonomy and Spinors in Pseudo-Riemannian Geometry,”* Berlin, September 23–25, 2003
- ☞ *Fourth Workshop on Gauge Fields and Strings*, Jena, February 25–March 1, 2003

## Other activities

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Referee for      JHEP

## Skills

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<b>Computer</b>	C, C++, Pascal, PHP, Perl, Bash, MATHEMATICA, XHTML/CSS, L <sup>A</sup> T <sub>E</sub> X, also basic knowledge in Fortran, Basic, Assembler
<b>Languages</b>	German, native English, near native French, advanced Polish, basic
<b>Commitment</b>	Public talk for the PR-department, Max-Planck-Institute, Munich  Student representative at the HU Berlin <ul style="list-style-type: none"><li>• Fachschaftsinitiative</li><li>• Prüfungsausschuss</li><li>• Insitutsrat</li><li>• AG Adlershof</li></ul> Class representative (“Schüler-/Klassensprecher”, 7 years)
<b>Hobbies</b>	Cooking with friends, Dancing (Ballroom & Latin), Lock-picking, Theatre

## References

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- ✉ Dr. Romuald Janik  
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