

CURRICULUM VITAE OF CAROLIN LUNEMANN

CONTACT INFORMATION

Department of Computer Science
Aarhus University
IT-parken, Aabogade 34
8200 Aarhus N
Denmark

email: carolin@cs.au.dk
web: www.cs.au.dk/~carolin
phone: +45-8942-5784

RESEARCH INTERESTS

Quantum Cryptography, Quantum Information Theory,
Cryptographic Protocol Theory.

EDUCATION

May 2009 - October 2009	Université de Montréal	Montréal, QC, Canada
	Visiting PhD at the Theory and Quantum Computation Lab (LITQ) at the Computer Science Department (DIRO).	
since September 2007	Aarhus University	Aarhus, Denmark
	PhD student at the Computer Science Department (DAIMI). PhD advisors: Ivan Damgård and Louis Salvail.	
February 2007	University of Potsdam	Potsdam, Germany
	Degree (diploma) in Computer Science. Diploma thesis advisor: Christoph Kreitz, thesis grade 1.0 (with excellence), final grade point average 1.6 (very good).	
April 2003 - February 2007	University of Potsdam	Potsdam, Germany
	Main studies in Computer Science (with electives Business Studies, Management, and Geography).	
October 2000 - March 2003	University of Stuttgart	Stuttgart, Germany
	Basic studies in Computer Science (with elective Geography).	
June 2000	Oscar-Paret-Schule	Freiberg a.N., Germany
	High-school diploma (Abitur) with distinction. Special subjects: Mathematics and Art.	

ARTICLES

(available from homepage)

Ivan Damgård, Serge Fehr, Carolin Lunemann, Louis Salvail and Christian Schaffner

Improving the Security of Quantum Protocols via Commit-and-Open

In *Advances in Cryptology - Crypto'09*, pages 408-427, Springer-Verlag, 2009.

Ivan Damgård and Carolin Lunemann

Quantum-Secure Coin-Flipping and Applications

In *Advances in Cryptology - Asiacrypt'09*, pages 52-69, Springer-Verlag, 2009.

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Quantum Protocols with Hybrid Security

PhD Progress Report, Aarhus University, Januar 20, 2009.

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Quantum Cryptography - Security Analyses of Multiuser Quantum Communication with Embedded Authentication

Diploma Thesis, University of Potsdam, December 7, 2006.

TEACHING EXPERIENCE

Introductory Course in IT Security

Teaching Assistant, Aarhus University, 2008 and 2010.

Cryptography, PGP, and Apache+SSL

Informatica Feminale, University of Bremen, 2008.

WORK EXPERIENCE

June 2005 -
December 2006
and

October 2003 -
June 2004

PACE Aerospace Engineering **Berlin, Germany**
and Information Technology GmbH

Student trainee in the area of quality management for KBE software to finance cost of living. Specific duties: Conceptual design of test processes and scripts, realisation of software and functional tests.

January 2005 -
April 2005

Castagnino **Buenos Aires, Argentina**
Internship in the area of geo-information.

September 2004 - Foshan Rhine Foshan, China
December 2004 Corporation Service Co., Ltd.
Internship in the area of project management.

November 2001 - Bosch AG Stuttgart, Germany
September 2002 Student trainee as office assistance to finance
cost of living. Specific duties: Implementation
and support of the department intranet.

LANGUAGES

German (native), English (fluent), Spanish (good
knowledge)