

SERGIO ANIBAL DE CARVALHO JUNIOR

- Brazilian, male, married.
- Date of birth: 1st July 1975
- Email: Sergio.Carvalho@cebitec.uni-bielefeld.de

Awards

- | | |
|-------------|---|
| 2004 – 2007 | PhD Scholarship, Graduiertenkolleg Bioinformatik, Bielefeld University |
| 2002 – 2003 | Chevening Scholarship, British Council (Foreign & Commonwealth Office) |

Education

- | | |
|-------------|---|
| 2004 – 2007 | PhD: Design and Optimization of Oligonucleotide Microarrays
Bielefeld University, Germany |
| 2002 – 2003 | M.Sc. in Advanced Computing
King's College London, UK |
| 2001 – 2002 | Advanced Specialisation in Distributed Systems
LaSid – Laboratorio de Sistemas Distribuidos, UFBA, Brazil |
| 1996 – 2000 | B.Sc. Computing Science
Universidade Federal da Bahia, Brazil |
| 1994 – 1995 | B.Sc. Civil Engineering (transferred to Computing Science)
Universidade Federal da Bahia, Brazil |

Publications

- de Carvalho Jr SA, Rahman S (2006) Modeling Microarray Layout as a Quadratic Assignment Problem. Submitted.
- de Carvalho Jr SA, Rahman S (2005) Searching for the Shortest Common Supersequence. Tech Report 2005-03, Technische Fakultät, Universität Bielefeld.

Software

ArrayOpt: Algorithms for the Design of Oligonucleotide Microarray
Under development

NeoBio: Sequence Alignment Algorithms
Available at <http://neobio.sourceforge.net>

Teaching

Winter 2005/2006 **Algorithms for the Design and Optimization of Oligonucleotide Microarrays**

Working experience

- | | |
|-------------------|--|
| Oct '00 – Aug '02 | Systems Support Coordinator
Telecom Italia Mobile Tim Maxitel, mobile phone service provider, Brazil |
| May '97 – Oct '00 | Systems Analyst / Software Developer
TecnoTRENDS - RMO Consultores Associados, software development, Brazil |
| Oct '96 – Jun '97 | Systems Analyst / Software Developer
Icones Consultoria de Engenharia e Sistemas, software development, Brazil |