

Name: Alexander Gamkrelidze  
Date of birth: 21. 09. 1970  
Place of birth: Tbilisi, Georgia  
Marital status: single  
Nationality: Georgian  
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Education:

1976 – 1987: Visiting the 58-th school in Tbilisi  
1987 – 1990: Applied mathematics at the Tbilisi State University  
1990 – 1992: Guest student at the University of Saarland  
1992 – 1996: Student of computer science at the University of Saarland  
Diploma in computer science and mathematics  
Masters thesis: “Entwurf eines booleschen Sortiernetzes mit der Struktur eines n- Dimensionalen Würfels”  
(Development of a Boolean Sorting Network on an n-dimensional Hypercube)  
2001: PhD in computer science, University of Saarland  
PhD thesis: “Einige Optimierungsmethoden hierarchischer Schaltungen”  
(Several Optimization Methods of Hierarchical Circuits.  
With an application to fast arithmetics)

Employment:

1992 – 1996: Student scientist (HiWi) at the university of Saarland, supported by the Deutsche Forschungsgemeinschaft, DFG  
1997 – 2001: Member of the scientific staff at the department of computer science, University of Saarland and at the Max-Planck Institute for Informatics in Saarbrücken  
2001: PhD student, Max-Planck Research School  
since 2002: Member of the scientific staff at the I. Vekua Institute of Applied Mathematics and at the Tbilisi State University  
2006 - 2008: Assistant professor at the department of Computer Science, I. Javakhishvili Tbilisi State University  
since 2008: Full professor at the department of Computer Science, I. Javakhishvili Tbilisi State University, head of the Department of Computer Science

Experience:

1999: Visiting the Hosei University in Tokyo and the Fujitsu company in Numazu City, Japan  
2004: Visiting the Department of Engineering at the Loughborough University, Great Britain  
since 2002: Visiting the Department of Comp. Science, University of Saarland and the Max Planck Institute for Computer Science, Saarbrücken  
since 2006: Visiting the Department of Computer Science, ETH Zürich, Switzerland  
2013-2015: Joint project with San Francisco State University San Francisco; CA; USA

Cooperations: University of Saarland, Max Planck Institute for Computer Science, University of Trier, Germany; Loughbourogh University, Great Britain; ETH Zürich, Switzerland

Research areas: Computational Topology (knot and graph invariants, holonomic representation of knots, categorial study of polytopes), Algorithm design and complexity, Theory of computation, VLSI design

Languages: English, French, Georgian, German, Russian