

Gian-Luca Bona, Curriculum Vitae

Place and Date of Birth: St. Gallen, 9 May 1957

Citizenship: Switzerland (Molinis / GR)

Civil Status: Married, one daughter

Language Skills: German, English, Italian, French



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| 1983 | Diploma in Physics at ETH Zurich, Zurich, Switzerland |
| 1987 | Ph.D. in Physics at ETH Zurich, Zurich, Switzerland |
| 1983-1987 | Research Assistant in the Group of Prof. Hans Christoph Siegmann, Full Professor of Physics at ETH Zurich, Zurich, Switzerland |
| 1987-1988 | Postdoctoral Fellow at the IBM Zurich Research Laboratory, Rüschlikon, Switzerland |
| 1988-1996 | Research Staff Member at the IBM Zurich Research Laboratory, Rüschlikon, Switzerland |
| 1996-1998 | Research Project Leader at the IBM Zurich Research Laboratory, Rüschlikon, Switzerland |
| 1998-2002 | IBM Research Manager for Photonic Networks, at the IBM Zurich Research Laboratory, Rüschlikon, Switzerland |
| 2002 | Visiting Staff at the IBM Watson Research Center to IBM Research VP Paul Horn, Yorktown Heights, New York State, USA |
| 2003-2004 | IBM Research Manager, Photonics, at the IBM Zurich Research Laboratory, Rüschlikon, Switzerland |
| 2004-2008 | IBM Research Functional Manager, Science and Technology, at the IBM Almaden Research Center, San Jose, California, USA |
| 2008-2009 | IBM Director of Tape Storage Solutions in the IBM Server and Technology Group, Tucson, Arizona, USA |
| 2009 | Director of Empa, Dübendorf, Switzerland |

Gian-Luca Bona, Biography

Gian-Luca Bona studied physics at ETH Zurich, Switzerland, where he received a Ph.D. degree in 1987 for his investigations of surface magnetic structures with short-pulsed laser excitation. Subsequently, he joined the IBM Zurich Research Laboratory and first conducted research in optical sampling of ultra-fast opto-electronic devices and later shifted his focus to the design and characterization of intense, high-speed quantum-well semiconductor lasers.

In 1994, he initiated work on integrated optical devices with high index contrast which led to a series of reconfigurable planar lightwave circuits and later on expanded to photonic bandgap concepts for high speed interconnects in computer applications.

From 2004 to 2008, he served as department group manager of Science & Technology at the IBM Almaden Research Center in San Jose, CA, with a strong focus on advanced materials for the next-generation semiconductor industry as well as on expanding CMOS [complementary metal-oxide-semiconductor] fabrication methods and on the development of nonvolatile memory devices. Setting strategic directions for the materials science work as well as IBM internal and technology transfer with external partners were among his primary tasks.

Since mid-2008, he has been director of Tape Storage Solutions in the IBM Systems and Technology Group responsible for the development of magnetic tape media, heads and tape drives as well as storage subsystems which include tape automation, interconnects and controllers.