Curriculum Vitae

Name:	Hristomir Hristov Yordanov
Date of Birth:	28 of October, 1979
Place of Birth:	Sofia, Bulgaria
Nationality:	Bulgarian
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Area of Specialisation	Microwave Engineering
Areas of Competence	Applied Physics, Engineering Physics, Electronics, Radio and Wireless Technology, Medical Engineering

Education

February 2011	Awarded Engineering Doctorate *magna cum laude* from the Technische Universität München PhD Thesis title: Wired and Wireless Chip-to-Chip and On-Chip Communication. Supervisor: Prof. Peter Russer
Oct. 2004 – Oct. 2006	Techische Universität München Institute for High Frequency Engineering Master of Science in Microwave Engineering Master's Thesis: Implementation of Genetic Algorithm to Design of an UWB Balun.
Sept. 1998 – July 2002	Technical University of Sofa, Bulgaria Faculty of Communications Engineering Bachelor of Science in Radio Communications Bachelor's Thesis: Ku-Band Microstrip Subharmonic Mixer.
Sept. 1993 – May 1998	The American College of Sofia, High-School Degree, Main subjects: English Language, Mathematics and Physics

Work Experience

October 2019 – March 2020	UC Berkeley, Berkeley Wireless Research Center Position: Fulbright Visiting Researcher Tasks: Research activities in on-chip antennas Teaching: Antenna Theory and practice
March 2017 – Present	TU–Sofia, Faculty of German Engineering and Industrial Management Education Position: Vice dean of Reserach Tasks: Supervision and coordination of the faculty's research program; coordination of the cooperation with the industry, coordination of the Doctoral school
Oct. 2013 – Dec. 2016	Queo LLC Position: Partner, Head of R&D Tasks: Development of microwave-based measurement systems and sensors
Sept. 2013 – Present	TU–Sofia, Faculty of German Engineering and Industrial Management Education Position: Assistant Professor Tasks: Lectures and tutorials in Circuit Design, Embedded Systems, and Communications

Sept. 2011 – Aug. 2015	Research sector at TU–Sofia Financial support by Marie Curie Actions Grant No 293409, NIS Project No 4164-МП7. Position: Senior Researcher Tasks: Research on on-chip antennas.
Jan. 2011 – Aug. 2011	Protecta Labs Position: Electronics Design Engineer Tasks: Development of wireless sensors
Nov. 2006 – Oct. 2010	Technische Universität München, Institute for High-Frequency Engineering Position: Research Assistant Research area: on-chip and chip-to-chip communication, integrated antennas, electromagnetic modelling; Additional tasks: Teaching Assistant, Tutorial Supervisor.
Nov. 2005 – July 2006 and Nov. 2004 – July 2005	Techniche Universität München; Institute for High Frequency Engineering; Position: Student Employee; Tasks: Simulation of Microlectromechanical systems (MEMS), Developing YATPAC simulation package, MEMS design.
Aug. 2005 – Sept. 2005	EADS GmbH, Ottobrun, Germany; Position: Student Employee; Task: Design of wireless aircraft sensors.
Sept. 2000 – Sept. 2004	ElcoStar Ltd., Sofia, Bulgaria; Position: Design Engineer; Tasks: Design of digital and microcontroller circuits, Firmware development, Measurement and test of microwave circuits and antennas, Design of mechanical structures, PCB routing for power supply units, Installation of communication equipment on sites with difficult access.

Computer Skills

Operating Systems:	Windows, Linux, MacOS;
Development Environments:	YATPAC, CST Microwave Studio, Agilent ADS; Ansoft HFSS, Microwave Office, ORCad,
Programming Languages:	MatLab, C, Mathematica, LaTeX, Assembler;
Applications	Adobe CS, MS Office, OpenOffice, etc.

Languages

Bulgarian	Native
English, German	Excellent
Russian	Fluent

Others

Expert evaluator for the EU Horizon 2020 research program since 2015
Chair of the Organization Committee and member of the Editor's Board of the FDIBA Conference since 2017;
Visiting Lecturer at Otto-von-Guericke University, Magdeburg, Germany
Siemens Youth and Knowledge Scholarship;
DAAD Academic Scholarship.

Projects

2011 – 2015	MIANT, funded by FP7/Marie Curie, No 293409 Role: Principal investigator

Patents

BG2305 (U1)	Radiometer with switchable high-frequency amplifiers
DE102009018880 (A1)	Anordnung zur drahtlosen Informationsübertragung zwischen integrierten Schaltkreisen und/oder Schaltungsplatinen

Teaching experience

At TU–Munich:	Microwave circuits and antennas, Microwave CAD systems, RF Seminar
At TU–Sofia:	Electromegnetic fields and waves, Communication systems, Electronics, Information Theory Digital circuits, Computer architectures Since 2018: Supervisor of one PhD student
At OvGu Magdeburg:	Communication systems
At UC Berkeley:	Antenna theory and applications

Membership in professional organisations

IEEE	Member since 2014, Microwave Theory and Techniques Society, Antennas and Propagation Society

Popular lectures:	TEDxBG 2011: Chaos theory iEnginner 2016: The profession of the technology scientist TEDxACS 2018: Research and Innovation
Community Service:	Member of the Board of Directors of the Community for Democratic Education, an NGO working for alternative school education systems