

PERSONAL

Full name	Bogdan Florin Spiridon	Mobile	(+44) 07956 513 315
Nationality	Romanian (birth), British (naturalisation)	E-mail	bogdan.spiridon@camgile.com
Residence	Cambridge, UK (in the UK for over 10 years)	LinkedIn	https://www.linkedin.com/in/bspiridon

ABOUT ME

Electronics engineer and materials scientist with an all-round view on problem solving and value creation – from problem definition, through science, innovation, engineering and manufacturing, to implementation and exploitation. I have successfully worked in corporate, start-up, and academic environments, contributing technical and non-technical skills towards their success. My interests are multi- and inter-disciplinary, centred on technology but reaching beyond it into entrepreneurship, business development, and community formation. While I focus on long-term goals for sustainable personal and organisational growth, I adopt a proactive can-do attitude in my daily activity, learning continuously.

FORMAL EDUCATION

2016 – 2020 University of Cambridge, UK PhD in Gallium Nitride (GaN) Sensors

My doctoral work sits at the boundary of Materials Science and Electrical Engineering, researching the design, fabrication and integration of GaN sensors. The project included aspects of Group III-N semiconductors' theoretical study, design, numerical simulation, and characterisation. The project involved the use of finite element analysis (COMSOL Multiphysics), TCAD simulation (Synopsys Sentaurus), IC layout (Cadence Virtuoso), scripting (MATLAB, Python), microscopy (AFM, SEM, EDS), material processing (EC and UV-PEC etching), material characterisation (profilometry, nanoindentation, 3-omega), and electrical characterisation (IV, IVT, TLM, IdVd, IdVg, Hg-CV, Hall).

2015 – 2016 University of Cambridge, UK MRes Sensor Technologies and Applications

The MRes degree was an opportunity to refine my knowledge of sensors and their applications, and to further develop my transferrable skills such as effective communication and work practices in diverse teams. The course included a Team Challenge where an Optical Projection Tomography system was designed and built in 10 weeks, where I coordinated the data acquisition, software and user-interface development.

2010 – 2015 University of Edinburgh, UK MEng Electronics with Bioelectronics (1st Class)

A valuable combination of theory and practical work in electronics, electrical engineering, and adjacent fields (e.g. biology, project management, design for manufacturability). The five-year course covered these subjects comprehensively and included an industrial placement for the final MEng project.

EXPERIENCE (continued overleaf)

Apr. 2020 – present Cambridge Agile Technology Ltd: Technology Consultant (Cambridge, UK)

The company, trading as [Camgile](#), has operations in software development, electronics, Agile methodology and management consulting. I enhance the company offering with my technical, scientific, strategy, and certified scrum master services, and support the business development, planning and regulatory aspects for achieving a sustainable and organic growth.

Oct. 2018 – present Cambridge University Technology and Enterprise Club ([CUTEC](#)): Committee President (2018-2019) and Chairperson (2019-2020)

My work included refining the strategy of the club to adapt to the evolving needs of our stakeholders and ensuring the cultural, reputational, and financial health of the society. During this period, the popularity of CUTEC grew among the academic community, its visibility increased with external partners, and the Board of Advisors was revived for staying in sync with the stakeholders. The CUTEC activities include: Coffee Club (entrepreneurial networking), CUTalks (podcast discussing the entrepreneurial journey), and the Technology Ventures Conference.

Oct. 2016 – present University of Cambridge: Teaching Assistant and Academic Supervisor

I worked as a Teaching Assistant for Electrical Engineering (2016-2017) and my duties included managing laboratory sessions, training and supervising the laboratory demonstrators, and marking academic reports. Since 2017, I supervised over 50 students for the third-year Analogue (3B1) and Digital (3B2) Electronics courses and for the second-year Electrical Engineering Tripos Paper (2P5). Finally, I acted as daily supervisor for two CDT MRes students, for their mini research projects in Materials Science.

Oct. 2015 – present EPSRC Sensors CDT and of Robinson College: Student Member

I joined the Sensors CDT as part of a diverse and international cohort of 15 students from varied disciplines, with the aim of performing interdisciplinary research to advance the field of sensors, one of the key research directions of the University. The College membership exposed me to a diverse, multicultural, and dynamic environment, with colleagues from across the world.

July 2015 – Sep. 2015 Asymptote Ltd: Electronics Engineer (Cambridge, UK)

I contributed to the VIA Thaw range of bio-medical dry thawing units by developing prototypes, characterising thermal processes, and identifying suitable components and suppliers. Despite integrating well within the team, I needed to leave the role to join the doctoral training programme.

May 2014–Jan. 2015 Broadcom Europe Ltd: MEng Project Intern (Edinburgh, UK)

I researched and designed a low-power, high-accuracy CMOS temperature sensing system which included a PTAT sensing core, a sigma-delta ADC and auxiliary circuitry. I used computer-based electronic design and simulation tools including Cadence Virtuoso ADE and Layout, Verilog-A, and MATLAB, together with proprietary versioning-control and Jira ticketing system.

May 2013–Sep. 2013 Broadcom Europe Ltd: Engineering Intern (Edinburgh, UK)

I gained experience in CMOS analogue design, simulation, layout and testing while working in an engineering team on projects of industrial and commercial relevance.

2011 – 2015 IET Scotland SE Young Professionals: Committee member (Edinburgh, UK)

I helped plan and organise relevant free and open-to-all events to address the observed needs of young professionals and engineering students. I took several roles in the committee alongside other student and professional representatives associated with the Institution of Engineering and Technology (IET).

AWARDS AND HONORUS

2020	Certified ScrumMaster® awarded by The Scrum Alliance
2018	Impulse Certificate awarded by the Impulse Programme (Maxwell Centre) for entrepreneurial learning and enterprise development
2016, 2017	Certificate of Attendance awarded by the Judge Business School for regular participation to the Enterprise Tuesday business and entrepreneurship seminars and networking sessions
2016	Sensors Champion awarded by the Sensors CDT for outstanding involvement during the MRes
2015	Whittington Prize and Class Medal awarded by the University of Edinburgh for the best overall performance in the MEng degree
2015	Ewart Farvis Project Prize awarded by the University of Edinburgh for excellence in MEng project
2013	IEEE Communications Society Prize awarded by the IEEE Communications Society for the results in the Electronics Mixed-Signal Laboratory
2011	Horsburgh Prize awarded by the School of Mathematics of the University of Edinburgh

TRANSFERRABLE SKILLS

Forward thinking	I judge the impact of my actions in the longer run, making the end objective a priority over the short-term convenience.
Analytical attitude	Understanding the situation is required for the best start. When my educated intuition is conflicted, I reflect before acting.
Initiative	Initiative drives progress. I like to think differently, take the first step, lead by example, and share my ideas and motivation with others.
General curiosity	I explore multiple scientific, technical and application spheres, being able to solve problems transcending their traditional boundaries.
Presentation & Debating	I believe in the power of debates, brainstorming and presentation, all great ways to create, distil, and share knowledge.

MISC

Memberships	CUTEC, ideaSpace, Makespace, IET	Driving License	Cat. B since 2009
Languages	RO (native), EN (superior), FR (novice)	References	Available on request
Hobbies	Cycling, squash, prototyping, photography, travel		
