Paul Guermonprez

Innovation Management - Focus on AI, robotics and CyberSecurity

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Objective

I have 23 years of experience in innovation management: big data for two human biotech startups, high performance computing and AI for Intel, civilian/defense autonomous systems and cybersecurity. I typically bring to the team a blend of innovative thinking to imagine the future and technical/management/strategic skills to make it possible.
I'm a specialist of realistic moon shots. Status: US person (green card), FR citizen.
Certs: CISSP, CISM, CMMC-RP, CEH, CNDA, AWS-SCS Security, AWS-SAA Architect.

Experience

2020–present   **Procter & Gamble**, *Innovation and Security Manager*, San Francisco, CA.
(Director-level) Innovation management in the fields of autonomous systems, AI and cybersecurity. From human-centered concept to prototype and large scale production in regulated environments. Member of the Procter and Gamble Security Leadership Team in charge of TPRM, risk assessment and governance (events such as CES and the 2021 Tokyo Olympics).

2017–2019   **Intel - Drone Team**, *Software/AI Autonomous Drone Architect*, Santa Clara, CA.
Designed and co-developed autonomous drone solutions for major US/EU clients in the aerospace/logistics/energy/defense sectors. From AI at the edge to backend BigData-AI workflows. AWS solution/InfoSec architecture.

2017–present   **Toulouse University**, *Lecturer*, Toulouse, FR.
Created and currently teaching a module on innovation and entrepreneurship for the IoT course.

2013–2017   **Intel - Software Group**, *Senior Innovation Engineer*, Toulouse, FR.
Co-developed innovative IoT solutions and smart factory with industrial partners and start-ups. Developed industry-university collaborations and technical transfers in the fields of IoT and robotics.

2006–2013   **Intel - Software Group**, *High Performance Computing Engineer*, Paris, FR.
Optimized the performance and scalability of HPC and enterprise software architectures and code for major European clients (telco/finance/health/web/universities). Teaching Courses on HPC, parallel programming and optimization in universities all over EMEA.

1999–2006   **Nautilus Biotech, Integragen**, *Data Scientist / BioInformatician*, Evry, FR.
From design to production: developed large scale laboratory information management and personalized medicine solutions (J2EE/LIMS). Research: first pilots of human gene therapy, participated in the discovery of genes involved in diabetes and autism. High-throughput gene sequencing.

1997–2001 **Lane et Guermonprez**, *CEO / Software Developer*, Paris, FR.
Co-created a Start-Up specializing in data science analysis for the biotechnology sector.

1998–1999 **Genethon**, *1 year internship followed by full-time contract*, Evry, FR.
Developed Java1 software to study and represent vectors used in world-first human gene therapy.

1999–1999 **Institut Pasteur**, *6 months internship*, Paris, FR.
Unit of Biology in Immune Regulations, studying Bordetella pertussis (whooping cough bacteria).

Publications and Conferences

2018 **Industry group: INTERPOL Drone Expert Group Panel**, *Member*, Singapore, SG.
Study of the impact of drones on illegal activities and appropriate countermeasures.

2015-2017 **Thesis: Master of Science by Research**, *Continuous education/research*, Toulouse, FR.
Design Thinking Workshops to resolve dialectic tensions in Disruptive Innovation Teaching.
Recorded talk: Link:paul.guermonprez.eu - Toulouse University

2016 **Conference: Airbus-Intel-Pivothead AI-AR glasses**, *Product lead*, San Francisco, CA.
Intel AI-AR glasses for Airbus Smart Factory demoed at IDF2016 by Intel CEO Brian Krzanich.
Link: Demo Video on Youtube, by CNET

2016 **Conference: Microsoft-Pivothead AI-AR glasses**, *Consultant*, San Francisco, CA.
Pivothead AI-AR smart glasses using Microsoft Cognitive Services for vision assistance, presented
by Microsoft CEO Satya Nadella. Link: Demo Video on Youtube, by Microsoft Research

2014 **Conference: Drones and Human Rights @ United Nations**, *Presenter*, Geneva, CH.
Presenting at the United Nations in Geneva, during the session on Drones and Human Rights.

2014 **Book: Les Drones Débarquent @ FYP Editions**, *Author*, Paris, FR.
Book on the social impact of drones, their use in modern warfare and how they will change all
industries. Several radio and print interviews, including national radio and international talks.

2011–2018 **Courses: Open Course Ware**, *Author and Curator*, Paris, FR.
15k-100k course downloads per month. HPC, mobile, IoT, embedded, autonomous drones.

2009 **Conferences: Copyright Law @ European and French Parliaments**, *Presenter*.
Representing the Internet Society FR as Secretary General on a Copyright Law panel organized at
the European Parliament. Co-founder of the Création, Public et Internet initiative.

2008–2013 **Politics: Presidential Platform - Technology, Privacy and Law**, Paris, FR.
Head policy writer for tech/AI/copyright/security chapter of the presidential elections platform for
the center party. Research, interview, collaboration with FR and EU legislators.
Ghost author for a book on politics: Collaborative writing, research, interviews.

Studies and Certifications

2021 **InfoSec**, *CISSP, CISM, CMMC-RP, CEH, CNDA, AWS Security*.

2019 **Amazon Web Services**, *Solutions Architect (AWS-SAA), Security Specialty (AWS-SCS)*.

2015–2017 **MScRes - Master of Science by Research**, *Toulouse University*, Toulouse.

1997–1999 **Undergrad studies: Biochemistry and Molecular Biology**, *Paris VI University*, Paris.

1995–1997 **Medical School Student**, *Hopital Broussais Hotel-Dieu, Paris VI University*, Paris.

Interests

Hobbies Sailing (instructor), diving, tango, cooking, beekeeping, skiing, hiking.

Flying Paraglider, motorized paraglider, drones. Ultralight and drone french pilot license.

Associations Former Secretary General for the Internet Society french chapter. Red Cross.

Politics Candidate for the Mouvement Democrate (center party) in Paris 5th district 2008 elections.