Christophe Guérin

◤ Design-Researcher | Lead Designer | Entrepreneur
◤ Expertise: Complexity, Advanced Materials & Eco-Innovation
◤ Lille, France | cg@christophe-guerin.com | www.christophe-guerin.com | www.linkedin.com/in/christophe-guérin-design |
◤ Languages: Bilingual English / French

☐ PROFESSIONAL SUMMARY

Designer-researcher working where materials, processes and ecological limits meet. 15+ years of practice, from concept to series production. Founder of two eyewear companies, inventor on several patents, and most recently Lead Designer on advanced carbon materials for construction at Decoi (MIT-affiliated). PhD in design (PSL, EnsadLab). Guiding principle: less material, more intelligence.

☐ KEY PROFESSIONAL EXPERIENCE

Lead Designer & Postdoctoral Researcher | dECOi Inc. (MIT spin-off) | 2023 - Present | USA / Lille

□ **Project Direction:** Lead prospective design projects and R&D pipelines under Prof. Mark Goulthorpe (MIT), on solid-carbon valorisation (carbon nanotubes) for future housing.
□ **Management & Scale-up:** Managed multidisciplinary teams focusing on the design, engineering, and manufacturing of composite components at an architectural scale (residential housing).
□ **Value & Prioritisation:** Identify where emerging materials create value, build usage scenarios, prioritise options and prototype them with engineers, scientists and industrial partners.

Doctoral Researcher, SACRe PhD Fellowship | PSL / EnsadLab (ED 540 ENS), in partnership with ENSAM Lille | 2017 - 2022 | Paris - Lille

□ **Practice-led research** on "implementable design" within resource-constrained frameworks.
□ **Thesis:** "Toward an implementable design, under the conditions of a finite world." Jury chaired by Prof. Stéphane Vial.
□ **Tech Transfer:** Co-developed a coreless moulding process with ENSAM (joint PSL/ENSAM patent, WO 2024/126841 A1).

Design Entrepreneur & Founder | SAS Vecteur U & SAS CG Visions 2012 - 2022 | France

□ **Product Innovation:** Founded, incubated (Maisons de Mode Lille), and scaled Mû, an eco-designed eyewear brand.
□ **R&D & Intellectual Property:** Invented, developed, and filed multiple international patents (bistable hinges, staple systems).
□ **Business & Retail:** Spearheaded global commercialization and retail distribution across major international trade shows (New York, Tokyo, Paris Silmo, Mumbai, Shenzhen, etc.).

Technical Director & Artistic Collaborator | Studio Charles Pétillon 2010 – 2018 | France & International

□ **Cultural Engineering:** Served as Technical Director for the monumental "Heart Beat" installation in Covent Garden (London).
□ **Ongoing Collaboration:** Engineered complex structures and temporary scenographies for the acclaimed photographer.

☐ INTELLECTUAL PROPERTY & TECH TRANSFER

Inventor of mechanical systems and advanced manufacturing processes.

□ **Manufacturing:** Coreless molding process (Joint Patent: PSL / ENSAM - 2024) | Ref: WO 2024/126841 A1
□ **Optics & Accessories:** Lead inventor on 4 filed patents:
Elastic bistable hinge (PCT/FR2019) | Staple-based frames (PCT/FR2014) | Removable temples (FR 10 57 235) | Flexible case (FR 30 10 982)

☐ SELECTED AWARDS & RECOGNITIONS

▷ **2020: Winner, POC Award** (Lille World Design Capital) – Circular Economy Category.
▷ **2014: Red Dot Design Award for Mû Circonflex**, eco-designed eyewear collection.
▷ **2013: Observeur du Design Label** for Mû Visions, eco-designed eyewear.
▷ **2017:** Winner, "Reinventing the Use of Glass in the City" competition (Lyon City Design).

☐ ACADEMIC EXPERIENCE & SPEAKING ENGAGEMENTS

▷ **2024 – 2026:** Master's Thesis & Project Advisor (M1 & M2) – **ESAAT** (Roubaix) & **ENSAM** (Lille).
▷ **2020:** Guest Lecturer, "Bio Objects" program – FADU Faculty, University of Buenos Aires.
▷ **2019: Core Faculty, PSL ESPOIR Summer School** – Design and SDGs (Sustainable Development Goals).
▷ **2016 – 2019:** Workshop Leader (PSL ITI) and Lead Facilitator for the "Défi Innover Ensemble" challenge (ENSCI / IFM).

☐ EDUCATION

▷ **2022: Ph.D. in Design (SACRe)** – PSL / EnsAD Paris (ED 540 ENS).
▷ **2016: Master of Arts (M2) in Product Design** – EnsAD Paris (Graduated with High Honors).
▷ **2008: DSAA (Master's Level) in Product & Furniture Design** – École Boulle, Paris.
▷ **2006: Bachelor of Arts (BA Hons) in Product Design** – Sheffield Hallam University, UK.
▷ **2005: BTS (Associate Degree) in Space/Spatial Design** – École Boulle, Paris.
▷ **2002: FCIL (Technical Certificate) in Architectural Modeling & Product Design** – Villefontaine.

☐ SKILLS & EXPERTISE

□ **Digital & Computational Design:** Rhino, Catia, AutoCAD, V-Ray, Adobe Creative Suite.
□ **Generative Design:** Integration and management of AI tools applied to ideation and virtual prototyping.
□ **Technical & Material Expertise:** Composite materials (R&D at Cogitech Design), glass processing, aluminum, rapid & industrial prototyping, rapid manufacturing, eco-design.
□ **Notable Publications:**
Author of the "down-cycling" and "up-cycling" entries in the Vocabulaire du design (PUF, 2025, Dir. S. Vial & E. Kavanagh).
Featured in 75 designers pour un monde durable (La Martinière, 2020) and Design où es-tu ? (APCI, 2013).
□ **Press & Media:** Featured in Télérama (Special Design Issue No. 228 "Can design change the world?", 2021), Lille Design No. 5 (2016), and Télématin (France 2).
□ **Exhibitions:** London Design Week (2007, 2008), Shanghai World Expo (2010), Solo Art Exhibition "Gestural Structure" at Atelier KSR Gallery (Berlin, 2012), Biennale Interieur (Kortrijk), Paris Design Week (VIA, 2018).
□ **Mobility:** Full Driving Licenses: Category A (Motorcycle) & Category B (Car).
□ **Interests:** Cycling, Running, Snowboarding.