

QUENTIN COUTELLIER
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PROFILE

- Sustainable Energy Systems, Economics & Policy
- Mitigation of Climate Change Challenges and Carbon Emissions
- Systems Engineering including Mechatronics, Computer Science and Electronics
- Entrepreneurship and Climate Change Innovation
- Research, Industry and Business

EDUCATION

- 2016/2020 **Imperial College London Business School, England**
PhD in Energy Economics
Doctoral programme, Department of Management.
Focus on the management of the domestic energy demand via smart systems.
- 2015/2016 **European Institute of Innovation and Technology**
KIC InnoEnergy part time PhD programme in Sustainable Energy and Entrepreneurship
- 2015/2016 **Imperial College London Business School, England**
Master of Research in Business (Merit)
Econometrics, Entrepreneurship, Innovation and Strategic Management.
- 2014/2015 **Imperial College London, England**
Master of Science in Sustainable Energy Futures (Merit)
Sustainable Energy Technologies, Policies and Economics; Department of Mechanical Engineering. Overall grade: 67.74%
- 2014/2015 **European Institute of Innovation and Technology**
Climate-KIC master label in Climate Change Innovation and Entrepreneurship
- 2010/2014 **Brest National Engineering School, France**
Diplôme d'Ingénieur in General Engineering with Mechatronics
= M.Eng. in Systems Engineering. Overall grade: 77.675%
- 2008/2010 **Lycée Naval of Brest, France**
Military College, French intensive preparatory classes in Mathematics, Physics and Philosophy.

WORK EXPERIENCE

- 2016/2017 **COURS THELEMA** **United Kingdom**
Consultant (part time)
 - Fixed term contract (8h per week): Hired to give tutoring to high school students in maths and physics to support their application to top universities.
 - Key skills used: Adaptability, patience and rigour to accompany students in their last year before their A-level examination.
- 2014/2015 **CLIMATE-KIC** **United Kingdom**
Climate Change Innovator (part time)
 - Participant to The Journey, a fully funded 5-week Climate Innovation Summer School in Entrepreneurship (England, Germany, Poland)
 - Greenhouse: involved in the funded one-year part time pre-incubator programme to get professional coaching and create a start-up related to Energy Resource Management.
 - Key skills used: Innovation, problem solving, leadership were essential abilities to find relevant and original business ideas and lead our multidisciplinary team.
- 2014 **THALES UNDERWATER SYSTEMS** **France**
Systems Engineer (full time)
 - Internship (6 months): Joined a team of Production Engineers in the department of Outboard Mechanical Systems, worked on the qualification of mechanical systems to perform deployment and recovery of sonars.
 - Fixed-term contract (1 month): Worked on a skill transfer with foreign industrial partners.

- Key skills used: Rigour and adaptability were mandatory to succeed in being the mediator between team members from different background within the production unit (mechanical, hydraulic, electronics, software and project engineers) which is a demanding service requiring our full involvement to meet the objectives under constant industrial pressure.
- 2014 **BREST NATIONAL ENGINEERING SCHOOL** **France**
Coach for undergraduate students (part time)
- Fixed-term contract (3 months): Gave career training to undergraduate students through various workshops and networking activities.
 - Key skills used: Networking, open-mindedness, impartiality to make informed choice to guide younger students.
- 2013/2014 **COMPLETUDE** **France**
Private tutor (part time)
- Fixed-term contract (8 months): Gave tutoring in Mathematics, Physics, and Electronics.
 - Key skills used: Demonstrated diplomacy and empathy with struggling students to inspire them to nurture their commitment to their studies.
- 2013 **IFREMER** **France**
Research Engineer (full time)
- Internship (5 months): In charge of writing a Matlab application for processing underwater data and assess seismic risks in the Sea of Marmara.
 - Fixed-term contract (2 months): Assigned in a multicultural team of researchers, scientists and post-doctoral students to work on data modelling and interpretation in collaboration with INGV (Italy) and KOERI (Turkey)
 - Key skills used: Creativity and technical excellence to work with scientists from laboratories from different countries.
- 2012 **DCNS** **France**
Electrical Engineering Intern (full time)
- Internship (2 months): worked on a test platform to provide electrical power to military submarines, duties also included following repairmen for intervention on bridge crane pulling submarines in a French military base.
 - Key skills used: Rigour, promptness, compliance with military standards and security protocols.
- 2011 **DIRISI** **France**
Software Engineering Intern (full time)
- Internship (1 month): discovered supervision software (SNMPc, HiVision) applied to military standards on a French military base, studied different phases constituting contracts from tendering to reception of work.
 - Key skills used: Curiosity, basic knowledge of programming and general engineering, interest for military environment.

ADDITIONAL SKILLS AND ACHIEVEMENTS

IT SKILLS

Matlab, Scilab, Stata, Solidworks, Catia, Eclipse, C, C++, Java, Python, SQL, HTML, CSS, Assembly language, MS Office Package (Word, Excel, Power Point, Visio).

LANGUAGES

French: Native, English: Fluent, Spanish: Conversational

PUBLICATIONS

Nature Geoscience, listed as contributing author with Géli L, et al., published in 2014, [Seismic precursors linked to super-critical fluids at oceanic transform faults](#)

Nature Communication, listed as contributing author with Géli L, et al., submitted in 2016, Gas-related seismicity within the Istanbul earthquake gap.

INTERESTS AND ACHIEVEMENTS

Play Saxophone for more than 12 years, practice traditional archery. Member of the Energy Institute, Member of the Climate-Knowledge and innovation Community.

Awards: KIC-Inno fully funded PhD programme (2016), 5-year Graduate Teaching Assistant Scholarship (2015), Climate-KIC Tuition Fees bursary (2014), Climate-KIC fully funded Master programme (2014), Mobility scholarship (2013), Offshore Renewable Energy Britannia Scholarship (2013, declined).