

# Emmanuel C. David

Honorary Research Fellow

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Nationality : French

Date of birth : October 7th, 1984 in Beaupréau (France).

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## Positions

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**2020–present:** Training and working as a Maître D’ – Sommelier in France, co-manager of the Hotel–Restaurant “*Auberge du Poncellamont*” (Savoie, 2020–2021) and now at the “*Hameau du Renard Blanc*” (Haute-Savoie, 2022).

**2020–present:** Honorary Research Fellow at the Department of Earth Sciences, University College London.

**2016–2019:** Postdoctoral Research Associate at the Department of Earth Sciences, University College London, with N. Brantut, T. Mitchell (UCL) and L. Hansen (Oxford).

**2013–2015:** Postdoctoral Research Associate at the Research School of Earth Sciences at Australian National University, Canberra, with Prof. I. Jackson.

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## Education and Training

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- 2020–present:** National and Vocation Qualifications (NVQ) in Hospitality, option “Maître D’ – Sommelier” — equivalent of the French “*Validation des Acquis de l’Expérience*” (VAE) for a *BTS Hôtellerie-Restaurant Option A* — prepared in Savoie, France.
- 2008–2012:** PhD thesis at the Department of Earth Sciences and Engineering of Imperial College, London (UK), under direction of Prof. R. Zimmerman. “*The Effect of Stress, Pore Fluid and Pore Structure on Elastic Wave Velocities in Sandstones*”. Janet Watson Centenary Memorial Prize awarded in 2012 at Imperial College London for “Excellence in research achievement.”
- 2007–2008:** Second year of the Masters in “Earth Sciences and Geophysics” (M2) (ENS/IPGP), with first class honours.  
\* Five months training at the Earth Sciences Department of ENS, Ecole Normale Supérieure, Paris (France), under direction of Prof. Y. Guéguen, A. Schubnel and J. Fortin; working on “The frequency effects on elastic properties of porous and cracked rocks”.
- 2005–2006:** First year of the Masters in “Earth Sciences” (M1) (ENS/IPGP), with honours.  
\* Six months training at the Engineering Geology and Geophysics Department of KTH, Royal Institute of Technology, Stockholm (Sweden) under direction of Prof. R. Zimmerman; working on “Modelling of the stress-strain behavior of a rock containing cracks under uniaxial compression”.
- 2004–2005:** Licence in “Earth and Universe Sciences” (equivalent of a Bachelor’s Degree of Earth Sciences), with honours.  
\* One month training at the Environment, Geophysics and Glaciology Laboratory (LGGE) in Grenoble, France. Glaciology modelling under direction of O. Gagliardini: “Optimization of modelling parameters in view of Ice sheet Model Intercomparison Project (ISMIP-HOM)”.
- 2004:** Admitted after selective examinations to the Ecole Normale Supérieure of Paris, ENS, France (rank:2).
- 2002–2004:** Classes préparatoires BCPST at Lycée Clémenceau (Nantes, France) : intensive courses in Biology, Geology, Mathematics, Physics. and Chemistry.
- 2002:** Baccalauréat in Sciences, with first class honors.

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## Teaching experiences

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- 2015:** Lecturer in MSc “Rock Physics” course at the Research School of Earth Sciences, Australian National University.
- 2008–2012:** Assistant lecturer of Prof. R. Zimmerman in MSc “Seismic Rock Physics”, “Rock Mechanics” and “Geodynamics” courses.
- 2008–2010:** Assistant lecturer of Prof. J. Harrison in MSc “Engineering Rock Mechanics” course.

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## Other relevant experiences

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- October 2021:** Assistant-chef in team with pastry chef Angélique Peretto at the French Embassy in Bucarest, Romania, during the event “Goûts de France”.
- Summer 2020:** Carpenter working on old wood restauration chalets at Maison Pierroz, Savoy, France.
- 2018–2019:** Amateur Pianist in the “Café-concert” style in duo with singer Véronique Fradin, for weekly events in pubs or in private concerts in London, United Kingdom..
- 2013–2015:** Seminar convener for Department Seminar at the Research School of Earth Sciences, ANU, Canberra, Australia.
- June**
- September 2012:** Three months work as commis-chef at the *Auberge du Poncellamont* (Gourmet restaurant and \*\*inn), Savoy, France.
- February**
- July 2007:** With Emmanuel Vincent, I built and managed a sport and adventure project crossing South America from Patagonia to Ecuador in 6 months: cycling, horseback riding, canoeing, hiking and climbing; we made a film and started a partnership project with South American schools based on Geography and Environment courses. The project was supported by the ENS.
- October 2006**
- January 2007:** Four months training at the French Research and Development Institution (IRD) in Quito (Ecuador) in collaboration with Glaciology Laboratory (LGGE) of Grenoble, under the direction of E. Le Meur (LGGE Grenoble) and B. Francou (IRD); working on “Glacier flow Modelling of the Cotopaxi and Antizana volcanos, Ecuador”.

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## Langages spoken and other skills

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- **French**, mother tongue
- **English, Spanish**, fluent
- **Portuguese**, basic communication skills
- **Informatics**, programming in Matlab, LateX; technical drawing in Autodesk Inventor
- **Piano**, grade 7 ABRSM