

# Vincent C H Tong

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## Employment

- 2020 – University Director of Learning and Teaching, and Associate Professor  
Student, Library and Academic Services, Northumbria University  
Department of Geography and Environmental Sciences, Northumbria University
- 2015 – 2020 Principal Teaching Fellow (Associate Professor (Teaching))  
Arena Centre for Research-based Education, University College London
- 2007 – 2015 Senior Lecturer in Geophysics (Associate Professor in Geophysics) (2012–15)  
Lecturer in Geophysics (Tenured Assistant Professor in Geophysics) (2007–12)  
Department of Earth and Planetary Sciences, Birkbeck College, University of London
- 2005 – 2006 Research Geophysicist, Geoscience Research Centre, Total Exploration and Production
- 2001 – 2005 Postdoctoral Research Associate (2001–04), Postdoctoral Research Fellow (2004–05)  
Department of Earth Science and Engineering, Imperial College London

## Degrees

- |             |                                  |                                                    |
|-------------|----------------------------------|----------------------------------------------------|
| 1997 – 2000 | PhD Geophysics                   | University of Cambridge, Trinity College Cambridge |
| 1994 – 1997 | BSc Physics (First Class Hons)   | Imperial College London                            |
| 2016        | MEd Education                    | The Open University                                |
| 2010        | BA Humanities (First Class Hons) | The Open University                                |

## Research and key publications

I have worked in partnership with international colleagues with a focus on the following research themes across interdisciplinary sciences and education. Here are some of the highlights and key publications:

### A. Interdisciplinary research across tectonophysics and oceanography

Principal Investigator of an international research consortium (2014–18)  
Interdisciplinary study of the ocean-crust interface and hydrothermal circulation, funded by the UK Natural Environment Research Environment Council (£3.7M), in collaboration with other principal investigators, co-investigators and collaborators from China, Colombia, Costa Rica, Ecuador, Germany, UK, and USA

**Key publication:** Tang, Q.\*, Tong, V.C.H.\*, Hobbs, R.W., and Maqueda, M.A.M. (2019). Detecting changes at the leading edge of an interface between oceanic water layers. *Nature Communications*, 10:4674

### B. Bringing planetary, solar and terrestrial seismologies together

Chief editor of a research volume published by Cambridge University Press  
Initiative to bring internationally leading researchers from Australia, Belgium, Denmark, France, Germany, India, Japan, the Netherlands, Spain, Switzerland, UK, and USA together

**Key publication:** Tong, V.C.H. and García, R.A. (eds.) (2015). *Extraterrestrial Seismology*. Cambridge University Press.

### C. Linking research, teaching, and public engagement across Earth and space sciences

Sole editor of two linked edited volumes

Evidence base developed in collaboration with higher education specialists, researchers, educators, industry experts, and outreach specialists from the United Nations and 17 countries (Australia, Austria, Canada, China, Croatia, Denmark, France, Germany, Italy, Japan, Portugal, Russia, Spain, Switzerland, Thailand, UK, and USA)

**Key publications:** Tong, V.C.H. (ed.) (2014) *Geoscience Research and Education*, Springer; and Tong, V.C.H. (ed.) (2014) *Geoscience Research and Outreach*, Springer

### D. Working with students to shape transdisciplinarity and research-teaching linkages

Chief editor of an open-access volume on distributed leadership and cross-disciplinarity

Developed and led a large consortium (80 members comprising research professors who had won national teaching awards, UK and international graduate teaching assistants, and students on taught programs)

More than 82,000 downloads from 187 countries and territories (as of June 2024)

**Key publication:** Tong, V.C.H., Standen, A., and Sotiriou, M. (eds.) (2018) *Shaping Higher Education with Students: Ways to Connect Research and Teaching*. London: UCL Press

### E. Fostering inclusive partnerships and learning communities

Sole editor of two linked open-access journal special issues with more than 40 contributions

Developed and led the collaborative scholarship initiative with students, professional services and academic staff (all from diverse personal and disciplinary/professional backgrounds), and international educators from Australia, Italy, Pakistan, Singapore, South Africa, Uganda, UK, and USA

**Key publications:** Tong, V.C.H. (ed.) (2023) *Fostering Inclusive Learning Communities Together. Teaching and Learning Together in Higher Education. v. 40.*, and Tong, V.C.H. (ed.) (2024) *Advancing professional values through cross-community reflective practice. Teaching and Learning Together in Higher Education. v. 42.*

### F. Industry-academia research collaborations

Steering Group member (as an industry representative): international industry-academia research consortia

PhD external examiner: doctoral thesis in collaboration with industry partners

Research supervisor (Industry R&D Center): research projects with postgraduate taught and doctoral students

### G. Geoscience education in different cultural contexts during the pandemic

Led the development of a set of 10 open-access short articles for the AGU Education Section

Articles feature lived experiences, inclusive and innovative approaches, and engagement with published research literature in science education. Authors include both (international) students and academics based in Japan and USA.

**Key publication:** Tong, V.C.H. (eds.) (2020–22) *Perspectives on Earth and Space Sciences Educational Research (PESSER)*. (<https://connect.agu.org/education/news/newsletters/pesser>)

### Honors and professional recognition

Principal Fellow of Higher Education Academy (UK)		2015
UCL Education Award (Team Award): Team lead	University College London	2018
Birkbeck Excellence in Teaching Award	Birkbeck College London	2009, 2010

### Professional society memberships

American Geophysical Union, and Advance HE (UK)