

# Prof. Valentin R. Troll

\*26-January-1971 in Würzburg, Germany

## PRESENT EMPLOYMENT

### **2008 - present UPPSALA UNIVERSITY (UU), SWEDEN**

Professor (Chair) of Petrology  
Dept. of Earth Sciences, Division of  
Natural Resources & Sustainable  
Development  
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*2023 - ongoing:* Director of Postgraduate Education (FUAP) for Natural Resources and Sustainable Development (>20 PhD students in programme).

*2010 - 2016:* Elected Member of the Steering Board for the Department of EarthSciences (250 employees; served two terms of three years).

*2008 - 2011:* Elected Member of EarthScience Recruiting Committee (served one three year term).

## PREVIOUS EMPLOYMENT

### **2001 - 2008 TRINITY COLLEGE DUBLIN (TCD), IRELAND**

2007 - 2008 Associate Professor  
2004 - 2007 Permanent Lecturer  
2001 - 2004 Lecturer in Volcanology and Petrology (5yr contract)

## DEGREES

**2008 Honorary M.A. (for service)**  
Trinity College Dublin, Ireland.

**2006 HDR (Habilitation)** Blaise Pascal University, Clermont-Ferrand, France.

**2001 PhD in Petrology & Geochemistry** GEOMAR Research Centre Kiel, Germany.

Thesis 'with distinction'.

**1998 BSc in Geology (Hons)** St Andrews University, Scotland, UK.

**1996 Vordiplom in Geology** University of Würzburg, Germany.

**1990 Fully Certified Industrial Toolmaker** Siemens AG, Würzburg, Germany.

## AREAS OF EXPERTISE

- Volcanology and volcanic processes
- Magmatic and volcanic resources
- Field geology and mineral exploration
- High-temperature geochemistry
- Micro-beam analytical techniques
- In-situ stable isotope analysis
- High P-T experimental petrology
- Geochemical and isotope modelling

## CONTRIBUTIONS TO DISCIPLINE

- Since 2010: Frequent contributions to science documentaries, newspaper articles and TV news, including National Geographic, Discovery Channel, BBC Earth, Swedish National TV and Swedish Radio (SVT and SR).
- Since 2019 - Associate Editor for Journal of Petrology (Oxford University Press).
- Since 2018: Steering board member for Vegacenter and NordSims national geochemical facilities, Sweden ([www.nrm.se](http://www.nrm.se)).
- Since 2012: International Correspondent for Sweden for Geology Today, the outreach journal of the Geological Society of London.
- Since 2011: Volcano & Geology Channel on Youtube - [www.youtube.com/@ValTroll](http://www.youtube.com/@ValTroll)
- 2014: BBC Highlands interview: Ardnamurchan - 3D model reveals information about iconic volcano.
- 2010 - 2013: Elected co-chair for working group No.6 (WG6 - Analytical and Experimental Laboratories) of the European Plate Observing System (EPOS). Served one three-year term.
- 2009 - 2019: Director of National Microprobe Facility at UU.
- 2007: Co-organiser "Golden Rum" Workshop together with K. Goodenough (BGS, Edinburgh) and D. Jerram (Durham University). Workshop sponsors: VMSG & Geological Society to celebrate 50 years of Rum as a Nature Reserve.
- 2007: Commission from the Scottish Natural Heritage (SNH) to design their official field guide (Emeleus & Troll, 2009) and leaflets/handouts and display boards for their Interpretive Centre on the Isle of Rum.
- 2005: Co-leader of field trip (with H. Emeleus, University of Durham) to the classic geological locations on the Isle of Rum, Scotland as part of the American Geophysical Union (AGU) Chapman Conference on "mantle plumes" in Fort William, Scotland, UK.

### INTELLECTUAL OUTPUT

>160 ISI publications,  
17 published reports,  
6 scientific books,  
2 course books,  
1 children book and  
>450 conference abstracts.

>6100 citations  
h-index 45  
i10-index 128

### SUPERVISION

Advised 22 PhD and 20 MSc students to completion. Currently I (co-)supervise 2 PhD students and 4 MSc students.

### FUNDING

2008-present Obtained >56 M SEK (ca. 4.9 M EUR) to come directly to Uppsala University. In addition, another SEK 3.2 M (ca. EUR 0.3 M) have been attracted in association with partner institutions.  
2001-2008 Attracted 1.75 M EUR in grant funding at Trinity College Dublin, of which 1.35 M EUR came directly to TCD.

### HONOURS & AWARDS

- 2023 Top Downloaded Article Geology Today.
- Since 2023 Corresponding Member of the Royal Canary Academy of Sciences.
- 2023 TOMMI Pre-School Award for project "Floating Rock".
- Since 2022 Fellow of the Royal Society of Arts (FRSA).
- Since 2019 Associate Editor Journal of Petrology, Oxford University Press.
- 2018 Top 100 Read Articles Scientific Reports.
- 2018 EPOS External Evaluation Panel (EEP) member for laboratories and volcano observatories in Europe.
- 2018 Honorary Research Associate at UNPAD, Bandung, Indonesia.
- 2017 Koesmono Award & Ceremonial Lecture at Padjadjaran University (UNPAD), Indonesia.
- 2017 Department of Engineering Geology Medal Gadjamata University Yogyakarta (UGM), Indonesia.
- Since 2014 Editorial Advisor for Springer Publishing in subject geochemistry.
- Since 2012 Invited Research Associate at GEOVOL, Universidad de Las Palmas de Gran Canaria, Spain.
- 2012-2018 Steering Committee member for ESF network MeMoVolc.
- 2011 VMSG Award of the Volcanic and Magmatic Studies Group, UK, for "significant contribution to our understanding of magmatic processes".
- Since 2007 Invited Research Associate at the National Institute of Geophysics and Volcanology (INGV), Rome, Italy.
- Since 2008 Elected Fellow of the Mineralogical Society of Great Britain and Ireland (FMS).
- Since 2007 Elected Fellow of Trinity College Dublin, Ireland (FTCD) for "higher academic achievements".
- 2007 Most Cited Paper Award from Journal of Volcanology & Geothermal Research, ELSEVIER, for Walter & Troll, 2003.
- 2005 & 2006 Accelerated promotions at TCD on the grounds of "exceptionally distinguished performance in research, teaching and contribution to College".
- 2005 - 2010 Invited Erasmus Professor at LMV, Blaise Pascal University, Clermont-Ferrand, France.
- 2003 Royal Society Fellowship to visit the University of Durham, UK.
- 2001 Geoff Brown Prize for 'best student presentation', VMSG meeting, Durham, UK.
- 1998 PhD Fellowship Studienstiftung des deutschen Volkes (top 0.1% of German students).
- 1998 Final Year Class Medal, St Andrews Geoscience class (class of 35 students).
- 1998 de Courcy Duggan Prize (most innovative final year thesis) at St Andrews University.