

Prof. Valentin R. Troll

*26-January-1971 in Würzburg, Germany

PRESENT EMPLOYMENT

Since 2008: UPPSALA UNIVERSITY (UU), SWEDEN

Professor (Chair) of Petrology
Dept. of Earth Sciences | Section for Natural Resources & Sustainable Development
Villavägen 16, 752 36 Uppsala, Sweden
+46-(0)18-471 25 70, valentin.troll@geo.uu.se

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 modeling

POSITIONS AND RESPONSIBILITIES

Since 2023: Head of Section for Natural Resources and Sustainable Development (UU).

Since 2023: Director of Postgraduate Education (FUAP) for Natural Resources and Sustainable Development, 25 PhD students in program (UU).

Since 2022: Fellow of the Royal Society of Arts (FRSA).

Since 2019: Senior Editor for Journal of Petrology (Oxford University Press).

Since 2018: Steering Board Member for national geochemistry facilities at NordSIM-Vegacenter, Swedish Museum of Natural History (NRM).

2011-2016: Steering Committee member for ESF network MeMoVolc representing Sweden.

2010 - 2016: Elected Member of the Steering Board for the Department of Earth Sciences, 250 employees; served two terms of three years, (UU).

2009 - 2019: Director of National Microprobe Facility (UU).

2008 - 2011: Elected Member of Earth Sciences Recruiting Committee (UU).

INTELLECTUAL OUTPUT

>180 ISI publications,
17 published reports,
7 scientific books,
2 course books,
>450 conference abstracts.

>8500 citations
h-index 52 | i10-index 151

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 2012: Int. Correspondent for Sweden for Geology Today, the outreach journal of the Geological Society of London.

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.

HONOURS & AWARDS

2025-2027: Member of the Scientific Advisory Board, Instituto de Productos Naturales y Agrobiología (IPNA-CSIC) Tenerife.

2023: "Top Downloaded Article" Geology Today (Wiley Academic Press).

Since 2023: Corresponding Member of the Royal Canarian Academy of Sciences (RAC Ciencias).

2018: "Top 100 Read Articles" Scientific Reports (Springer - Nature).

2018: EPOS External Evaluation Panel (EEP) member for laboratories and volcano observatories in Europe.

2018: Honorary Research Associate at UNPAD, Bandung, Indonesia.

2017-2019: Member www.epos-eu.org.

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)

SUPERVISION

Advised 26 PhD and 20 MSc students to completion. Currently I (co-)supervise 2 PhD students and 4 MSc students.

FUNDING ≈10 M EUR since 2001

2023, European Research Council (ERC) Synergy Grant Project "ROTTnROCK" (9.98 M EUR/72 months).

2008-present: Obtained >62 M SEK (ca. 5.4 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.

DEGREES

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

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

2001: PhD in Petrology & Geochemistry GEOMAR Research Centre Kiel, University of 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.

2017: Departmental Medal Gadjja Mata University Yogyakarta (UGM), Indonesia.

Since 2014: Senior Editorial Advisor for Springer Publishing Group in subject geochemistry.

Since 2012: Invited Research Associate at GEOVOL, Universidad de Las Palmas de Gran Canaria, Spain.

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.

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 Visiting Fellowship.

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.