

## CURRICULUM VITAE (4 page)

**Donald Bruce DINGWELL**

### Education

**Bachelor of Science - Geology/Geophysics (B.Sc. Honours : May 1980)** Memorial University of Newfoundland

Dissertation: "Geology, Geochemistry and Geophysics of the Port Aux Basques Granite."

**Doctor of Philosophy - Geology (Ph.D. : September 1984)** The University of Alberta.

Dissertation: "Investigations of the role of fluorine in silicate melts: implications for igneous petrogenesis."

**Habilitation in Geochemistry (Dr. rer. nat. habil. : February 1992)** Universität Bayreuth, Bayreuth, Germany

Dissertation "Relaxation and Rheology in Silicate Melts."

### Employment

<u>Oct 2024 -</u>	Distinguished Professor and Director – GEOLAB, Hangzhou International Innovation Institute, Beihang University & Prof. em. – LMU - Munich
<u>Oct 2018 - Sept 2019</u>	Center of Advanced Studies Research Group Leader
<u>Sept 2011 - Dec 2013</u>	Secretary General – European Research Council
<u>Jan 2008 - Dec 2011</u>	Research Professor for Experimental Volcanology (LMUExcellent program of the Bundesexzellenzinitiative)
<u>July 2004 - Sept 2005</u>	Interim Dean of the Faculty of Geosciences - University of Munich
<u>from June 2002 – Sept 2024</u>	founding Director - Department of Earth and Environmental Sciences - LMU
<u>from Feb 2000-Sept 2024</u>	Chair of Mineralogy and Petrology <i>and</i> Head of the Institute of Mineralogy, Petrology and Geochemistry, LMU
<u>Feb 1991 - Feb 2000</u>	Scientific Manager (geschäftsführender Mitarbeiter), Bayerisches Forschungsinstitut für Experimentelle Geochemie und Geophysik (Bayerisches Geoinstitut), Universität Bayreuth
<u>July 1987 - Jan 1991</u>	Deputy Director (wissenschaftliches Assistent) - Bayerisches Forschungsinstitut für Experimentelle Geochemie und Geophysik (Bayerisches Geoinstitut), Universität Bayreuth
<u>July 1986 - July 1987</u>	Assistant Professor (Tenure-Track) - Earth and Planetary Sciences - University of Toronto, Toronto, Canada
<u>Sept 1984 - July 1986</u>	Carnegie Postdoctoral fellow - Geophysical Laboratory, Carnegie Institution of Washington, Washington, D.C., USA
<u>Sept 1980 - Sept 1984</u>	Natural Sciences and Engineering Research Council 1967 Science Scholar - The University of Alberta, Edmonton, Alberta, Canada

### Major Scientific Medals and Awards

- Gustav **STEINMANN Medal** - DGGV (German Geological Society) (2023)
- Willet. G. **MILLER Medal** - Royal Society of Canada (2022)
- Harry. H. **HESS Medal** - American Geophysical Union (2020)
- Arthur **HOLMES Medal** - European Geosciences Union (2020)
- Abraham-Gottlob-**WERNER Medal** – German Mineralogical Society (DMG) (2019)
- **VIP Career Achievement Award** - Geological Association of Canada (2019)
- Arthur L. **DAY Medal** - Geological Society of America (2016)
- **PEACOCK Medal** - Mineralogical Association of Canada (2015)
- Otto **SCHOTT Research Award** – Ernst-Abbe-Fonds (2014)
- Norman Levi **BOWEN Award** of the American Geophysical Union (2013)
- Robert Wilhelm **BUNSEN Medal** - European Geoscience Union (2008)
- **MSA AWARD** - Mineralogical Society of America (1996)
- **Victor-Moritz-GOLDSCHMIDT-Prize** - German Mineralogical Society (DMG) (1991)

### Academies and Orders

- Fellow - **Royal Society (London)** (2021)
- Member - German National Academy of Science - **LEOPOLDINA** (2017)
- Member of the **Romanian Academy** (2025)
- Fellow of the **World Academy of Sciences (TWAS)** (2025)
- Honorary Fellow of the **Hungarian Academy of Sciences** (2024)
- Corresponding Member – **Royal Society of Edinburgh** (2024)
- Foreign member – **Chinese Academy of Sciences** (2023)
- Corresponding member - **Academia Mexicana de Ciencias (AMC)** (2022)
- Member - German National Academy of Science and Engineering – **ACATECH** (2013)

- Member - **Royal Society of Canada** (2010)
- Member – **Academia Europaea** (2007)
- **Friendship Award** of the People’s Republic of **China** (2025)
- **Order of Newfoundland and Labrador** - O.N.L. (2021)
- **Order of Canada** - Officer (O.C.) (2020)
- Order of Merit of the Federal Republic of Germany - **Bundesverdienstkreuz** (2013)

#### **Honorary Degrees**

- D.Sc. (honoris causa) – University of **Bari** (2024)
- D.Sc. (honoris causa) – **Beihang** University (2024)
- D.Sc. (honoris causa) – **Simon Fraser** University (2023)
- D.Sc. (honoris causa) – Universidad Nacional Autónoma de México (**UNAM**) (2019)
- D.Sc. (honoris causa) – **University College London** (2012)
- D.Sc. (honoris causa) – **University of Alberta** (2012)

#### **(Co-)Supervision of Ph.D. students and Mentoring of Postdoctoral Associates**

(Ph.D. students = 20 Female, 28 Male)

(Ph.D. students - 14 Nationalities - DE, IT, FR, CZ, PL, CA, MX, UK, CL, DK, IN, TU, BR, CN)

#### **Further Fellowships**

- Fellow and Honorary Member – Intl. Union of Geodesy and Geophysics (**IUGG**) (2019)
- Fellow - American Association for the Advancement of Science - **AAAS** (2017)
- Honorary Fellow - Società Italiana di Mineralogia e Petrologia - **SIMP** (2013)
- Union Fellow - American Geophysical Union (**AGU**) (2009)
- Fellow - Geological Association of Canada (**GAC**) (1998)
- Fellow - Mineralogical Society of America (**MSA**) (1995)
- Fellow of the Institute of Advanced Studies – University of Durham (2021)
- Fellow - Gutenberg Research College (GRC) - Universität Mainz (2017-2021)

#### **Commissions of Trust / Community Service (selected – ca. 80 further panels/boards not listed)**

- Chair – Science Advice for Policy of the European Academies (SAPEA) Board (2025-2027)
- Physical Sciences Panel - Research Assessment Exercise - University Grants Committee (UGC) - Hong Kong (2026)
- Chair – Earth and Environmental Sciences Panel / Institutional Reviews - FCT – Portugal 2024.
- Selection Board of the Canada Frontier Research Excellence Fund (2022-)
- Chair – Arthur Holmes Medal Committee (2021)
- New Frontiers in Research Fund Multidisciplinary Review Panel member (Canada) (2021)
- Canadian Institute for Advanced Research (CIFAR) President’s Research Council (2020-2023)
- Member of the EGU Arthur HOLMES Medal Committee (2020-)
- Czech Science Foundation - Mathematics and Physics I Panel – Vice Chair (2020)
- FCT Portugal – Earth & Atmospheric & Climate Change Panel (2019)
- Czech Science Foundation - Mathematics and Physics I Panel (2019)
- Serrapilheira Institute (Brazil) – Geosciences Review Panel (2019)
- Academia Europaea – Presidential Search Committee (2019)
- Canadian Institute For Advanced Research (CIFAR) International Assessment Panel– Global Call for Ideas (2019)
- Member – EU WIDESPREAD Teaming Phase II Panel (2018-2019)
- Physical Sciences Panel - Research Assessment Exercise (RAE) University Grants Committee (UGC) of Hong Kong (2019-2020)
- Center of Advanced Studies (CAS-LMU) Research Group Leader (2018-2019)
- FCT Portugal – Earth & Atmospheric & Climate Change R&D Unit Evaluation (2018)
- Czech Science Foundation Mathematics and Physics I Panel (2018)
- Chair – Evaluation Panel – Department of Earth Sciences – ETH Zurich (2018)
- Evaluation Panel – Thule Institute – University of Oulu (2017)
- Wissenschaftsrat -Review Panel - Bundesanstalt für Geowiss. und Rohstoffe (2017)
- Member – Board of Trustees - GeoForschungszentrum Potsdam (2017-2019)
- Chair – Expert Group - Western Balkans / Berlin Process Joint Science Conference (2016-)
- Member – Scientific Council – UnivEarths Excellence Program – France (2016-)
- NSERC Review of the Discovery Grants Program (2015-2016)
- Member – Canada First Research Excellence Fund – Selection Board (2015, 2016)
- Vice-President of the Academia Europaea (2015-)

- President - International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) (2015-2019)
- Member of the European Academies Scientific Advisory Council EASAC (2015-)
- Appointed to the Board of the Academia Europaea (2014-)
- Chair of the Earth and Cosmic Sciences section of the Academia Europaea (2008-)
- Chair of the Advisory board of the Deutsches Museum (2007-2017)
- Elected Founding President of the Section of Geochemistry, Mineralogy, Petrology and Volcanology of the newly founded European Geoscience Union (2002)
- Elected Secretary - Volcanology, Geochemistry and Petrology Section of the American Geophysical Union

#### ***Editorial Activities***

Editorial Board - **Geochimica et Cosmochimica Acta** (1995-2002)  
 Editor – **Chemical Geology** (2007-2022)  
 Guest Editor - **Chemical Geology** (1992, 1996, 2000, 2004, 2008, 2013, 2017, 2022, 2025)  
 Editorial Board – Geofisica Internacional (2021-)  
 Founding Editor – Frontiers in Volcanology (2014-)  
 Founding Editor – Solid Earth –European Geosciences Union Journal (2009-2016)  
 SCOPUS - Content Selection and Advisory Board (2007-)  
 Associate Editor – American Mineralogist (2003-2007)  
 Editor – Bulletin of Volcanology (2000-2010)  
 Associate Editor - European Journal of Mineralogy (1991-1997)  
 Editorial Board - Chemical Geology (1993-2002)  
 Founding Editor – GeoMaterials Research (1998-2002)  
 Guest Associate Editor – J. Geophys. Res. (1990)

#### ***Selected Meetings/Symposia/Short Courses organized (since 2000)***

Granite-related ore deposits – IGC – Rio di Janeiro – Brazil 2000  
 Parameterisation and Modelling of Lava Flows: Implications for Hazard Mitigation, EGS 2000  
 Water in Magmas – AGU Spring Meeting, Washington, DC, 2000  
 VGP Program Chair – Fall AGU Meeting 2001  
 Parameterisation and Modelling of Lava Flows: Implications for Hazard Mitigation, EGS 2001  
 Geological Glasses – EUGXI Strasbourg 2001  
 Experimental Volcanology – Fall AGU – San Francisco 2001  
 VGP Program Chair – Fall AGU Meeting 2001  
 Structure-Property Relationships in Melts: Implications for Petrology- DMG Potsdam 2001  
 Volcanic Risk - EGS Nice 2002  
 IUGG IASPEI-IAVCEI Structure and Properties of Earth Materials Sapporo 2003  
 Volcanic Hazards EUG/EGS/AGU Nice 2003  
 EUG/EGS/AGU = EGU Meeting 2003 – Volcanology, Mineralogy, Petrology, Geochemistry Chair (2003-  
 Organiser VIIth Silicate Melt Workshop, France 2003  
 Vulkanologische Runde (German national volcanic research group) Munich, 2003  
 Deutsche Komitee für Katastrophen Verminderung (DKKV) Meeting, Munich 2003  
 Programm Committee EGU Nice 2004  
 Programm Committee EGU Vienna 2005  
 Regional Programm Committee – Goldschmidt Conference – Cologne 2007  
 Member – Programme Committee – EuroScience Open Forum 2006  
 Programm Committee EGU Vienna 2006  
 Programm Committee EGU Vienna 2007  
 Organiser - VIIIth Silicate Melt Workshop, France 2007  
 Programm Committee EGU Vienna 2008  
 Physics of Volcanic Processes, Portland, GSA Annual Meeting 2009  
 EGU Spring Meeting, Complex processes in magmatic and volcanic systems: experiments, theory, and modelling, Vienna, 2009  
 Melt physics: metals versus silicates. Japanese Geosciences Union, Chiba, 2010  
 Organiser - IXth Silicate Melt Workshop 2011, Le Petite Pierre, France  
 EGU General Assembly, Quantitative Magmatic Processes, Vienna, 2010  
 EGU General Assembly, Quantitative Magmatic Processes, Vienna, 2011  
 EGU General Assembly 2011  
 EGU General Assembly 2012  
 EGU General Assembly 2013  
 Organiser - Xth Silicate Melt Workshop 2015, Le Petite Pierre, France  
 Academia Europaea Annual Meeting 2015, Darmstadt, Germany –Program Committee  
 Goldschmidt 2017 Paris – Science Committee Member  
 2017 LMU - Center of Advanced Studies - Workshop on Volcanic Ash–Turbine Interactions  
 -2019 LMU – Center of Advanced Studies – Symposium on Volcanic Ash in the Earth System.  
 - Organiser - XIth Silicate Melt Workshop 2019, Le Petite Pierre, France  
 - Volcanology Symposium – Center of Advanced Studies – LMU Munich 2019  
 - Chinese-German symposium on environmental debris in jet turbines 2023  
 - Organiser and Chair - Program Committee – Academia Europaea Annual Meeting 2023

**Work with policy makers to ensure their decisions are grounded in rigorous science.**

- ten years service as member in the **European Academies' Scientific Advisory Council (EASAC)**
- 30 months service as the **Secretary General of the European Research Council (ERC)**
- Service as the **President of the European Geosciences Union**, Europe's preeminent geoscientific assembly
- Service as the **President of the International Association of Volcanology and Chemistry of the Earth's Interior**
- 10 years service as member of the board and council and as **President of the Academia Europaea**, (from Jan 1 2025)
- **European Commission Representative at the G20 (S20) Science Statement Planning for 2024.**

Ca. 600 publications: >39K Citations; h-factor 100 (Google Scholar)