

Simon Jowitt C.V.

PERSONAL DETAILS

Name: Prof. Simon M. Jowitt

Work Address: Nevada Bureau of Mines and Geology
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SKILLS SUMMARY

- Significant leadership, research and teaching experience in a variety of different fields within the earth sciences, the minerals industry and in broader science.
- Excellent scientific writing and presentation skills including more than 130 published and accepted scientific papers and a significant pipeline of future publications; around 7,500 citations and a Google Scholar h-index of 46.
- Broad range of knowledge and experience relating to the metal and mineral demands for the energy transition and the critical metals and minerals.
- Awarded several national, international and university awards for research and teaching and given more than 40 plenary and keynote presentations since 2016.
- More than 25 years of field experience in a wide range of geological settings within Asia, Australasia, Europe, and North and South America and more than 20 years of experience of lab- and field-based teaching of undergraduate students
- Significant successful experience in grant and funding application writing for stipend, fieldwork support and analytical funding, including more than \$4 million in research funding since 2023.

EMPLOYMENT HISTORY

February 2025–present

Director and Nevada State Geologist, Nevada Bureau of Mines and Geology, University of Nevada Reno, Arthur Brant Chair in Exploration Geology, Professor in Economic Geology with tenure.

Duties: Director of the Nevada Bureau of Mines and Geology (NBMG) with oversight of programs in economic geology, geothermal energy, Quaternary geology, geological mapping, structural geology, geodesy, GIS-cartography, and data management. The Bureau has an annual budget of >\$7 million, >30 FTE employees, and >20 graduate students.

July 2023–present

Director of the Ralph J. Roberts Center for Research in Economic Geology, Arthur Brant Chair in Exploration Geology, Associate Professor in Economic Geology with tenure, Nevada Bureau of Mines and Geology, University of Nevada, Reno, USA

Duties: Director of the Ralph J. Roberts Center for Research in Economic Geology leading economic geology research and associated coordination at UNR, with an annual budget of >\$1.5 million.

August 2016–June 2023

Associate Professor in Economic Geology with tenure (2022–2023), Assistant Professor in Economic Geology (2016–2022), University of Nevada, Las Vegas, USA.

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January 2011 – August 2016

Lecturer and Industry Liaison Coordinator, Monash University, Melbourne, Australia

September 2008– July 2011

Postdoctoral Research Fellow, Monash University, Melbourne, Australia

EDUCATION

PhD in Economic Geology, 2009, University of Leicester, UK

MSc in Mining Geology, 2003, Camborne School of Mines (CSM), University of Exeter, UK.

BSc (Hons) in Geology, 2002, University of Edinburgh, UK

AWARDS AND MEASURES OF ESTEEM

- **More than 40 Plenary and Keynote presentations** at national and international academic and industry conferences since 2016.
- **More than 100** invited non-conference presentations to universities, industry, and government, including invited American Salt and DeFord lectures and the 25th Annual Ralph J. Roberts Distinguished Lecture.
- **Charles J. Mankin Memorial Award for 2025** awarded for *Lithium in Nevada--origins, extent, role in the energy transition, and implications for economic development and national security. Nevada Bureau of Mines and Geology Special Publication 40*. This award is presented to a geological map, compilation, or report on regional, energy, or mineral resource geology published in the current year or one of the three preceding calendar years by a state geological survey and is awarded by the American Association of State Geologists.
- **Advisory Board Member**, Next-generation ore: towards sustainable mining for regional prosperity and societal resilience; NZ\$11 million New Zealand Endeavour Fund project 2025-2030.
- **Expert Panel member**, 2025 in person review of Helmholtz Centre Potsdam - German Research Centre for Geosciences (GFZ); major German geoscience research center with an annual budget of 113.8 million euros (\$120.3 million) and 1,157 employees.
- Awarded the **2014 Waldemar Lindgren Award** of the Society of Economic Geologists for early career research in economic geology from any subdiscipline of geology published before the author's 35th birthday.

EDITING AND REVIEWING EXPERIENCE

- **Editor in Chief**, Transactions of the IoM3/AusIMM B: Applied Earth Science, 2019–2023; Co-Editor 2013–2019; member of editorial board, 2010–2023.
- **Associate Editor**, Economic Geology, 2015–present.
- **Book Review Editor**, Economic Geology, 2022–present.
- **Associate Editor**, Frontiers in Economic Geology, 2019–2020.
- **Associate Editor**, Lithosphere, 2019–2023.
- **Associate Editor**, Ore Geology Reviews, 2019–2023.
- **Executive Committee Member**, Elements, 2019–2023.
- **Editorial Board Member**, Springer Nature Applied Sciences (SNAS), 2018–2024.
- **Editorial Board Member**, Results in Geochemistry, 2019–2024.
- **Editorial Board Member**, Resources, 2018–2020.
- **Review Editor**, Frontiers in Petrology, 2015–2020.
- **Co-Editor** of Society of Economic Geologists Special Publication focused on Lithium deposits, published 2025.

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- **Co-Editor** of special thematic issue of Geochemistry (Chemie de Erde) on Critical Minerals: Current Perspectives, 2024
- **Co-Editor** of special thematic issue of the Canadian Mineralogist focused on Critical Minerals, 2022.
- **Editor** of special issue of Resources on Criticality of the Rare Earth Elements: Current and Future Sources and Recycling, 2018.
- **Co-Editor** of two special issues of Applied Earth Science on Ni-Cu-PGE deposits, 2012, and Mineral Economics and Critical Metals, 2015–2016.
- **Reviewer** for National Academy of Sciences report on Optimizing the USGS Mineral Resources Program Science Portfolio, 2025.
- **Expert Reviewer and Panel Member** for National Science Foundation (NSF), Natural Sciences and Engineering Research Council of Canada (NSERC), Canada Foundation for Innovation's Innovation Fund, Natural Environment Research Council (NERC, UK), Swiss National Science Foundation (SNSF), Agence Nationale de la Recherche/French National Research Agency, Deutsche Forschungsgemeinschaft/German Research Foundation (DFG), and KU Leuven Research Council grant and fellowship proposals, 2011–present.
- **Regular peer reviewer** for more than 40 scientific journals, including Nature Geoscience, Nature Energy, Geology, Earth and Planetary Science Letters, Royal Society Open Science, Environmental Science and Technology, Geochimica et Cosmochimica Acta, Chemical Geology, Science Advances, Economic Geology, Mineralium Deposita and Ore Geology Reviews.

SCIENTIFIC PUBLISHING AND RESEARCH EXPERIENCE

- Published more than **130 scientific publications since 2010**.
- Obtained more than **US\$4 million** in industry, federal and state funding since mid-2023 (~80% as PI, 20% as co-PI).
- Key role in obtaining philanthropic donations from the minerals industry and individuals, including a recent **\$5.7 million donation** to setup an endowment focused on furthering the development of economic geology at the Ralph J. Roberts Center for Research in Economic Geology.
- **Google Scholar h-index of 46**, more than 7,500 citations since 2010.

OTHER EXTERNAL SERVICE

- **Chair, Association of American State Geologists (AASG) Minerals Committee**, 2025-present.
- **Expert Panel member**, 2025 in person review of Helmholtz Centre Potsdam - German Research Centre for Geosciences (GFZ).
- **Vice-President, Student Affairs**, Society of Economic Geologists, 2020–2024; responsible for an annual budget of \$80-100k funding for student chapters globally.