

**Dr. Craig J.R. Hart,  
BSc, MSc, PhD, FSEG, FGAC.**

Craig Hart is the Director of MDRU-Mineral Deposit Research Unit at The University of British Columbia (UBC) where he initiates and facilitates a wide range of mineral exploration industry-sponsored research projects focused on gold and porphyry systems, regional metallogeny and exploration methods, and trains graduate students to excel in the mineral exploration industry. Craig has degrees from McMaster University (BSc 1986), University of British Columbia (MSc 1995) and University of Western Australia (2005) separated by employment in the exploration industry and with geological surveys. He was previously a Senior Research Fellow at the Centre for Exploration Targeting at the University of Western Australia (UWA) in Perth, Australia where he pursued research on the gold metallogeny of China and Mongolia. Most of his early career was with the Yukon Geological Survey where he undertook regional mapping and metallogenic research in the northern Cordillera.

Craig integrates field and mapping data with geochronology, geochemistry and geophysics to develop new geological platforms, exploration concepts and targets. His significant research impacts are in developing intrusion-related mineral deposit models, understanding redox controls on intrusion-related metallogeny, and on the evolution of cordilleran magmatism. His current research efforts are directed towards developing new exploration tools and strategies for gold and porphyry deposits.

Craig contributes his expertise to industry by organizing and presenting workshops, short courses, consulting, and participation on numerous councils and committees. As a UBC faculty member since 2009, he has contributed the training and successful completion of more than 40 MSc and PhD students, and 20 Post-Doctoral Fellows and Research Associates. Most of these former students and researchers are now active contributors to the mining and exploration industry. He is an author or co-author on more than 200 geological manuscripts, maps, reports and published contributions. He presents numerous invited scientific presentations and short courses throughout the world.

He was awarded the Boldy Award in 2005 by the Geological Association of Canada for best presentation, was the 2010 Society of Exploration Geologists Distinguished Lecturer, and was the winner of the Audience Choice Award and a top 5 finisher of the Integra Gold Rush Challenge in 2016.

**Anna Fonseca**  
Principal Consultant (Geology)



**Profession** Geologist

**Education** M.Sc. (Economic Geology), University of British Columbia, 1998  
B.Sc. (Geology), University of Alaska Fairbanks, 1993  
Diploma (Gemmology), Universidad de Barcelona, 1988  
Diploma (Gemmology and Diamond Evaluations), Deutsche Gemmologisches Gessellschaft, 1988

**Registrations/  
Affiliations** P.Geo (APEG-BC, APEGO), SEG

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**Specialisation** Structural and alteration mapping, 3D modelling, and interpretations of remote sensing data; Infrared spectroscopy (portable and remote sensing); Structural controls over alteration zones.

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**Expertise** Anna has 25 years of international experience in regional to property scale structural and alteration mapping and 3D modelling, interpretations of remote sensing data, and exploration target generation in various hydrothermal deposit styles with a focus on porphyry-epithermal, CRD, skarn, and IOCG. She has taught field and classroom based structural and alteration mapping courses in university, in conferences, and in industry.

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**Employment**

**2012 – Present** SRK Consulting (Canada) Inc. Principal Geologist, Toronto, Ontario

**2002 – 2012** Independent Consultant

**1999 – 2002** Mineral Assessment Geologist, Yukon Government, Yukon

**1993 – 1999** Contract Geologist, Various Mineral Exploration Companies

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**Publications** See below

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**Languages** English (Native Fluency), Spanish (Native Fluency), Portuguese (Native Fluency), French (Fluent), Turkish (Advanced), Russian (Intermediate).