

CURRICULUM VITAE

Matthew M. J. Hajek, B. Sc., Materials P. Eng.

ACADEMIC QUALIFICATIONS

2018 Bachelor of Science in Materials Engineering Co-op Program
University of Alberta, Edmonton, Alberta, Canada

Key Electives: Welding Metallurgy, Corrosion & Oxidation & Degradation, Microalloyed Steels, Financial Management for Engineers, and Nanostructured Materials

PROFESSIONAL ASSOCIATIONS

- Member, Association of Professional Engineers and Geoscientists of Alberta (APEGA)

CONFERENCES, MEETINGS, AND TECHNICAL TRAINING

- *International Forensic Photography Symposium 2025*, ai2-3D Forensics, Webinar, January 2025
- *Zero to Hero in CloudCompare*, ai2-3D Forensics, Webinar, March 2024
- *Recon-3D Training Course*, ai2-3D Forensics, Webinar, February 2024
- *Bosch CDR Tool Technician Training*, Institute of Police Technology and Management, Webinar, February 2023

PROFESSIONAL CAREER

02/2022 - Present **ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.**
Edmonton, Alberta, Canada

Materials Engineer

- Perform third party quality assurance testing on heat treatments to engineering specifications and standards
- Conduct fractography and metallography on failed components from various industries
- Contribute to forensic engineering investigations ranging from fires, large to small scale failures, and motor vehicle accidents that are relevant to personal injuries; possibly leading to insurance claims or legal proceedings

12/2019 - 01/2022 **BASIC EXPERT PTY. LTD.**
MELBOURNE, VICTORIA, AUSTRALIA

Project and Forensic Engineer

- Managed the complete portfolio of an aged care home provider and multiple owner's corporations and/or strata management companies in providing compliance assessments on their building's external facade in relation to combustible cladding issues against the Building Code of Australia
- Participated in inspecting, auditing, and reporting on essential safety measures and other fire safety concerns for various residential and mixed-use buildings against the Building Code of Australia and Australian Standards

- Contributed to fire investigations, forensic investigations, and legal proceedings for a wide range of unique scenarios related to fire engineering

07/2019 - 12/2019

**LABORATORIES FOR MATERIALS ADVANCED TESTING SERVICES PTY. LTD.
MELBOURNE, VICTORIA, AUSTRALIA**

Materials Engineer

- Assisted material engineers with failure analysis and material identification via chemical analysis or metallurgical analysis on a variety of components
- Completed technical reports for a variety of analytical processes, including chemical analysis, material identification, and mechanical testing

01/2016 - 08/2016,
05/2017 - 12/2017

**ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.
EDMONTON, ALBERTA, CANADA**

Materials and Technical Testing - Co-op Student

- Conducted 100+ heat treatment quality assurance tests and assisted with material/metallurgical failure analyses on downhole drilling tools
- Proficient in microbiologically-influenced corrosion (MIC) testing and magnetic particle inspections (MPI) as well as several other tests to aid in failure analysis of downhole drilling components and pipelines
- Acquired skills in technical report writing for quality assurance, material and mechanical testing, and failure analysis purposes

05/2015 - 08/2015

**CODES AND STANDARDS TRAINING INSTITUTE (CASTI)
EDMONTON, ALBERTA, CANADA**

Data Entry - Co-op Student

- Updated and maintained CASTI's libraries of articles, magazines, journals, and metallurgical standards of technical societies, such as ASTM, ASME, API, ISO, and CSA
- Updated and uploaded new material data based on ASTM standards in order to run CASTI's online database
- Revised the Handbook of Comparative World Steel Standards (ASTM's DS67D), 5th edition, under the supervision of the editor to improve and expand the standards in such handbook

05/2014 - 08/2014

**SURFACE FLOW CONTROL
STURGEON COUNTY ALBERTA, CANADA**

General Labourer

- Performed fabrication duties on rig mats, engineered pipe racks, and railings for excavators
- Operated angle grinders, table saws, and plasma cutters for over 100 projects
- Learned and practiced welding with shielded metal arc welding (SMAW) and gas metal arc welding (GMAW)

Matthew M. J. Hajek

January 28, 2025
Date