

DR. MOHAMMED ADEL HEFNI

Assistant Professor, Mining Engineering Dept., King Abdulaziz University

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Education

Degree	Field	Institution	Year
PhD	Mine waste management	McGill University	2015
MEng	Mineral economics	McGill University	2010
B.Sc.	Mining Engineering	King Abdulaziz University	2008

Academic Experience

From	To	Institution	Rank	Title	Full / Part Time
2008	2009	King Abdulaziz University, Mining Engineering Department	TA	TA	Full Time
2009	2014	McGill University, Mining and Materials Eng. Department	TA	TA	Part Time
2015	Current	King Abdulaziz University, Mining Engineering Department	Assist Prof	Assist Prof	Full Time

Non Academic Industrial Experience (including Consultations)

From	To	Company/Entity	Title	Position Description (Brief)	Full / Part Time
2007	2008	Jeddah Municipality	Engineer	Topographic Engineer	Full Time

Funded Research Projects and Patents from the Past Five Years

1. An investigation into the development and potential of foam minefill.
2. Methods and systems for foam minefill, US patent pending. US 61/984,990

Certifications and Professional Registrations

1. Received a certificate of participation in training in foam concrete technology from the University of Penang, Malaysia.
2. Received a certificate of participation in the minefill 2014 conference in Perth, Australia. .
3. Received a certificate of participation in the 23rd world mining congress in Montreal, Canada.

Current Membership in Professional Societies and Organizations

Society/organization	Rank	Member Since
1. Canadian Institute of Mining, Metallurgy and Petroleum	Member	2012

Honours and Awards

1. Received a certificate of appreciation from Jeddah Municipality.

Institutional and Professional Services (administration, committees, units, etc.)

1. A member of the development of the geomechanics lab in the mining engineering department at McGill University.

Principal Publications/Presentations from the Past Five Years

- Hefni, M., Hassani, F., Nokken, M., Kermani, M., & Vatne, D. (2014). Investigation into the development of foam mine fill. In: 11th International Symposium on Mining with Backfill. Perth: Australian Centre for Geomechanics, pp. 49–59.
- Hefni, M., & Hassani, F. (Accepted). A review of the properties of foam mine fill. In: 13th International ISRM congress. Montreal, Canada (2015).
- Hefni, M., Hassani F., Vatne, D, “Methods and systems for foam mine fill”, U.S. Patent pending. US 61/984,990

Recent Professional Development Activities (*Workshops, training, etc.*)

1. Training in foam concrete technology at the University of Penang, Malaysia.
2. Seminar in mining with backfill at McGill University, Canada.
3. Seminar in design of experiment in Boston, USA.
4. Workshop on Safety in underground mines at the Hudbay mine in Flin Flon, Canada.
5. Workshop on ethics and academic integrity at McGill University, Canada.