DR. NASER ALIMRANI

Professional civil engineer, lecturer, and researcher

@ naser.alimrani@gmail.com +1(343)5975633 Ottawa, Canada in https://www.linkedin.com/in/naser-alimrani-7130b0111/

PERSONAL STATEMENTS

- I am a positively sociable and enthusiastic person holding a colourful perspective of life full of kindness and acceptance.
- One of my fundamental principles in life is to understand, accept, and embrace our differences in life.
- I am particularly passionate about teaching activities where I use my passion of philosophy and logical reasoning in arguments.
- I am enthusiastic about critical and creative thinking driven by two factors, developing myself as well as adding one more step to the research. This could be a small step in the research, yet a giant leap for the researcher.

EXPERIENCE AND PROJECTS

Researcher in a project

Budapest University of Technology and Economics-BME

Sep 2021 - Mar 2022 Budapest

- My job includes preparing to host the "3D concrete printing conference -as a major tool of future automation and digitalization", as the 1st International Conference of 3D printing technologies in Central Europe.
- It includes making presentations, seminars, reports and participating in finalizing a book.

Assistant Lecturer in construction materials

Budapest University of Technology and Economics-BME

Sep 2018 - Sep 2021 Budapest

- Teaching courses related to Construction and Building Materials.
- Teaching students on equipment of the lab.
- Supervising and mentoring MS students in the practical and the theoretical works including carrying out exams, field activities, excursions and so on.

Junior Project Manager (Structural Assessment)

Ministry of Public works and Housing

Aug 2014 - Apr 2016 Gaza

- Functional estimations of damages or deterioration in buildings.
- Participating in one of the biggest projects in Palestine: To conduct comprehensive assessment, renovation, rehabilitation, and reconstruction of more than 100,000 houses that were partially or totally damaged by the War in Gaza.

Site Engineer

Al Montar Co. for General Trading and Contracting

Feb 2012 - Jul 2014 Gaza

- Check technical designs and drawings to be followed correctly.
- Oversee quality control and health and safety matters on site.
- Liaise with consultants, subcontractors, planners, quantity surveyors and the general workforce involved in the project.

MY LIFE PHILOSOPHY

"I value diversity in work. I have a diverse group of friends and believe that institutions become more successful when they are more diverse. Diversity is clearly shown in every aspect of my life, from my hobbies of poetry, theology, and playing chess to my dedication and passion towards work".

INTERNSHIP

- Wooden structures (Tree-houses)
  The Netherlands.
- Preventive conservation of built heritage and industrial archaeology
  Malta, Ireland, and Hungary.

EXTRA-CURRICULAR

- National Poetry Competition
- MAPEI Concrete Canoe Competition
- Teaching kids in an international school
- Playing chess in local tournaments
- Reading books in literature, philosophy, history, science, and theology

SKILLS

Microsoft Office | Excel | AutoCAD | Matlab | MS Project | Arc GIS | Robot Structural Analysis Professional

STRENGTHS

Active listening | Negotiation skills | Statistical analysis | Public speaking | Technical writing | Project management | Critical thinking | Tact and diplomacy | high level of adaptability | Work ethics | Creatively problem solving | Teamwork | Multitasking and decision making

LANGUAGES

Arabic
English
Hebrew
Hungarian

PUBLICATIONS

Books

- Alimrani, N. (2021). Shear performance of fibre-reinforced concrete after exposed to elevated temperatures-PhD Thesis. Hungary: Department of Construction Materials and Technologies- BME.
- Alimrani, N. (2015). Donors' influence in the quality of construction projects in Gaza Strip from a beneficiary perspective- MSc Thesis. Gaza, Palestine: Department of Civil Engineering-IUGaza.

Co-Supervisor for MS Thesis

- Boumaza, R. (2019). Effect of fibers on the fire resistance of concrete structures -MSc Thesis. Budapest, Hungary: Department of Structural Engineering-BME.
- Alahmad, B. (2021). Mechanical properties of recycled concrete enhanced by supplementary cementitious materialsMSc Thesis. Budapest, Hungary: Department of Construction Materials and Technologies-BME.

Selected Journal Articles

- Alimrani, N. Balazs, L.G. (2018). Precast Concrete Hollow Core Slabs exposed to elevated temperatures in terms of shear deteriorations–Review Article", *Journal Concrete Structures*, *19*, *14-21*.
- Alimrani, N. Balazs, L.G. (2020). Investigations of direct shear of one-year old SFRC after exposed to elevated temperatures. *Construction and Building Materials*, 254, 01–16.
- Alimrani, N. Balazs, L.G. (2020). Effect of steel fibres on concrete at different temperatures in terms of shear failure. *Magazine of Concrete Research*, 01–12.
- Alimrani, N. Balazs, L.G. (2020). Synthetic fibres or fibre cocktail in terms of shear capacity of concrete after elevated temperatures. *Mechanics of Materials*, 148, 01–10.
- Abdelmelek N. and Alimrani, N.(2021). Effect of Elevated Temperatures on Microstructure of High Strength Concrete Based-Metakaolin, *Journal of King Saud University - Engineering Sciences*, 15, 1-09.
- Alimrani, N. Balazs, L.G. (2022). Toughness and Stiffness of Fibre Reinforced Concrete in Terms of Shear Capacity. *Cement and Concrete Research*, Under printing.

International Conferences

- Alimrani, N. (2021). Topological aspects of 3D printing of concrete. Proceedings of the 3D concrete printing conference -as a major tool of future automation and digitalization. Budapest, Hungary.
- Alimrani, N. and Balázs, G.L. (2020). Investigations of shear capacity and toughness in FRC at elevated temperatures. Proceedings of the fib Symposium. Shanghai, China.
- Alimrani, N. and Balázs, G.L. (2019). Steel fibers on shear strength of concrete at room and elevated temperatures. Third International Fire Safety Symposium 2019, 331-339. Ottawa, Canada.
- Alimrani, N. and Balázs, G.L. (2019). Behavior of concrete at elevated temperatures in terms of shear failure using push-off model. fib Symposium 2019,171-172, Krakow, Poland.
- Alimrani, N. and Balázs, G.L. (2018). Behaviour of concrete at elevated temperatures with respect to shear failure. Proceeding of 12th fib International PhD Symposium, pp 27-35, Prague, Czech Republic.

EDUCATION

PhD (Construction Materials)

Budapest University of Technology and Economics- BME

Feb 2017 – Dec 2021

- Environmental Protection in Construction.
- Ecology. Sustainable Building Materials.
- Fracture Mechanics. Fragility Assessment.

M.S. (Construction Management)

Islamic University- Gaza

Sep 2013 – Dec 2015

- Research Methodology.
- Management of Quality.
- Probability and Statistics.
- Infrastructure Planning and Management.
- Mathematical Programming and Modeling.

B.S. (Civil Engineering)

Islamic University- Gaza

Sep 2007 – Feb 2012

- Mathematics and Calculus. General Physics.
- Numerical Analysis. Strength of Materials.
- Highways and Transportation Engineering.
- Soil Mechanics Environmental Engineering.
- Geographic Information Systems.
- Hydraulics and Fluid Mechanics.

MEMBERSHIPS

- **Hungarian Group of *fib***
- **American Concrete Institute (ACI)**
- **International Group of Young Engineers (YMG)**

REFERENCES

Prof. Dr. Balazs L. Gyorgy

- @ balazs.gyorgy@epito.bme.hu

Prof. Dr. Tor Ole Olsen

- @ too@olavolsen.no

Prof. Dr. Joost Walraven

- @ jcwalraven@hotmail.com