

Dr Musab Rabi
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00962778513005

A confident and articulate Assistant Professor in Structural Engineering, with excellent research skills, keen to enhance students' learning experience and to conduct high quality research in the field of Structural Engineering.

EDUCATION AND QUALIFICATIONS

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|-------------|--|
| 2017 – 2020 | PhD in Structural Engineering Brunel London University, United Kingdom |
| 2015 – 2016 | MSc Civil Engineering Anglia Ruskin University, United Kingdom Distinction |
| 2010 – 2015 | BSc Civil Engineering University of Jordan, Amman, Kingdom of Jordan “Very Good”, GPA 3.13/4. |
| 2009 – 2010 | General Secondary School , Amman, Kingdom of Jordan. Grade: 96.3% |

Scholarships: The first degree was sponsored by the Ministry of Higher Education and Scientific Research as a result of outstanding achievement in the General Secondary School.

Master and PhD degrees were sponsored by Jerash University

RESEARCH PROJECTS

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| PhD Structural Engineering | Analysis and design of stainless steel reinforced concrete structural elements |
| MSc Civil Engineering | Finite element analysis of web-opening on performance of concrete beams |
| BSc Civil Engineering | Study of pavement serviceability index (PSI) based on AASHTO standards |

WORK and EXPERIENCE

| Dates | Job title | Name of company |
|------------------|---------------------------------|-----------------------------------|
| 2/2020 – Current | Assistant Professor | Jerash University |
| 9/2017 – 12/2019 | Teaching Assistant | Brunel University London |
| 6/2014 – 8/2014 | Site engineer/ training program | Arab Business Contracting Company |

Professional bodies

Member of the Jordan Engineers Association (Jordan).

Member of the Institution of Structural Engineers (UK).

TRAINING

| Training type | Institution | Training |
|---|--------------------------|-----------------|
| AutoCAD | University of Jordan | 48 hours |
| Etabs | University of Jordan | 30 hours |
| LUSAS | Anglia Ruskin University | Self-learning |
| ABAQUS | Brunel University London | Self-learning |
| Introduction to Teaching and Supporting Learning for Postgraduate Research Students | Brunel University London | One day session |

Journals

Rabi, M., Cashell, K.A. and Shamass, R., 2021. Experimental investigation on the flexural behaviour of stainless steel reinforced concrete beams (submitted)

Rabi, M., Cashell, K.A. and Shamass, R., 2020. Ultimate behaviour and serviceability analysis of stainless steel reinforced concrete beams (Accepted at Engineering Structures)

Rabi, M., Cashell, K.A., Shamass, R. and Desnerck, P., 2020. Bond behaviour of austenitic stainless steel reinforced concrete. *Engineering Structures*, 221, p.111027.

Rabi, M., Cashell, K.A. and Shamass, R., 2019. Flexural analysis and design of stainless steel reinforced concrete beams. *Engineering Structures*, 198, p.109432.

Conferences

Rabi, M., Cashell, K.A. and Shamass, R. (2019) 'Analysis of concrete beams reinforced with stainless steel'. Proceedings of the fib Symposium 2019: Concrete-Innovations in Materials, Design and Structures, Krakow, Poland, (pp. 690-697).

Rabi, M., Cashell, K.A. (2019) 'Investigation on the behaviour of concrete beams with stainless steel reinforcement', 21st Young research conference, the institution of structural engineers (IStructE), London, UK.

Rabi, M., Cashell, K.A. (2019) 'Design of reinforced concrete beams with stainless steel', Civil and Environmental Engineering research conference, London, UK.

Rabi, M., Cashell, K.A. (2019) 'Novel design approach for stainless steel reinforced concrete beams', Brunel University research student conference, London, UK.

KEY SKILLS

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|-----------------|---|
| Research skills | Demonstrated by writing a PhD thesis and MSc dissertation, as well as writing two journal papers and a peer-reviewed conference paper |
| Self-motivated | Highly motivated individual, demonstrated through desire to achieve maximum academic results |
| Time management | Excellence in time management demonstrated through conducting several research projects on time |
| Team spirit | Developed excellent teamwork skills during several research projects and through the training program with Arab Business Contracting |
| Desire to learn | Always looking to expand knowledge and skills |
| Computer skills | Excellent working knowledge |

REFERENCES

| Reference | Email | Institution |
|-----------------------|--------------------------------|------------------------------|
| Dr. Katherine Cashell | katherine.cashell@brunel.ac.uk | Brunel University London |
| Dr. Rabee Shamass | Shamassr@lsbu.ac.uk | London South Bank University |
| Dr. Yingang Du | yingang.du@anglia.ac.uk | Anglia Ruskin University |