



DR. BASHIR A. SALEH

Assistant Professor



Steel and Concrete Composite Frame Design. Applied Finite Element Analysis, Ls-Dyna, Abaqus, MSC-Patran.

bashir.saleh@academy.edu.ly

<https://www.facebook.com/bashir2005>; <https://www.linkedin.com/in/bashirsaleh>

<https://scholar.google.com/citations?user=Ide-j3QAAAAJ&hl=en>

Swadia 37, Ghryan, Libya, Tel: +218911960899

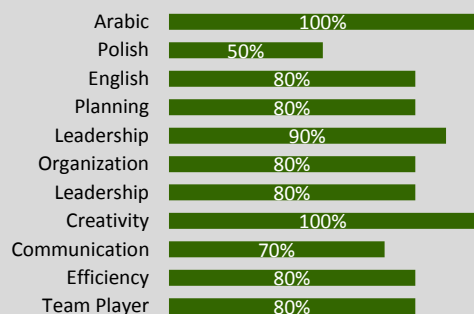
ABOUT ME

- ⇒ PhD in Structural Engineering Steel & Composite Framework Designer.
- ⇒ Applied Finite Element Analysis FEM, Ls-Dyna, ABAQUS, MSC-Patran.
- ⇒ Specializing in composite construction design (Master's Thesis).

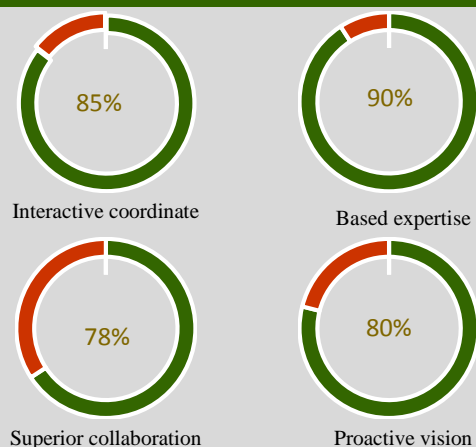
Awards / Achievements

- ⇒ Honors - Excellent Grade 4.5/5 MSc Thesis 2007, from Warsaw University of Technology
- ⇒ Honors - Higher Institute of Science and Technology, Libya 2001
- ⇒ Award Best Creative ArchiCad Designer 2007
- ⇒ Top Five - Applied Engineering Specialized Engineering Secondary's in Libya 1986-87
- ⇒ Membership of the IABSC – Registration No 434588.

PERSONALITY & LANGUAGE



COMPETENCE



EDUCATION

Warsaw University of Technology

10/2008 – 09/2013

PhD, Thesis Title “Modeling of Beam-to-Column Joints of Steel Concrete Composite Frames Subjected to Standard and Extreme Load Combinations, Advisor: Professor Marian Gizejowski

Warsaw University of Technology

10/2004 – 09/2007

MSc, Master's degree in Science (MSc), Civil Engineering, Thesis Title: “Skyscrapers Building Design Using Eurocode”, General grade: Excellent 4.8/5, Advisor: Professor Robert Gajewski.

Warsaw University of Technology

10/2002 – 09/2004

BSc, Bachelor's Degree Completion of the remaining courses and equivalence of the Libyan certificate with the certificate of the Warsaw University of Technical - Faculty of Civil Engineering with English & Polish Language. Advisor: Professor Robert Gajewski.

Higher Institute of Science and Technology Libya

10/1998 – 09/2002

HD, Science and Technology Institute, Construction Department, Project title: “Long Beam Reinforced Concrete Design by US Code”, General grade/ V. Good, percentage: (84/100), Supervisor: Doctor Raeid Jamil

EXTRA ADVANCES COURSES & TRAINING

⇒ UNA, the USA

10/2010 – 12/2010

Reliability of Structure, held at UNA, the USA, Coordinated by Professor Andrzej RIL, Finish Assassination of Civil Engineering, Fenland Nowak.

02/2013 – 03/2013

Failures of Robustness of Large Structure, held at Finland, IBSE, Coordinated by Professor: Risto Kiviluoma, Chair of the Scientific Committee.

⇒ Czech Technical University in Prague, The Czech Republic

09/2009 – 10/2009

Modeling of Localized Inelastic Deformation, held at CTUP, Prague, The Czech Republic, Coordinated by Professor: Milan Jirasek.

⇒ International Center for Mechanics and Science – Italy

05/2009 – 06/2009

Numerical Modeling of Concrete Cracking, held at CISM, Udine, Italy, Coordinated by Professor: G. Hofstetter.

⇒ KMM European Doctoral Program, Institute of Technology

06/2008 – 07/2008

Plasticity and Damage of Materials, held at KMM, Warsaw, Poland, Coordinated by Professor: Marek Janas and Prof. Zenon Mroz.

⇒ ARAI Engineering Training - Libya

2020 - 2018

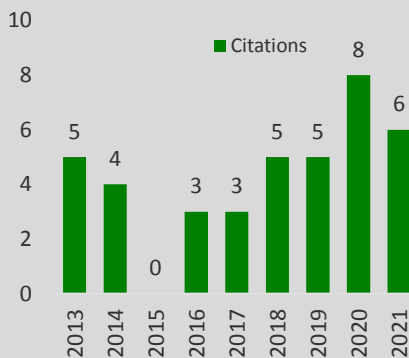
Successfully pass the modeling design course of 40 hours per each software (Robot Structural Analysis Professional - Autodesk, Sap2000, ETABS, SAFE, and MS Project).

SKILLS

MS Excel	100%
MS Project	100%
ROBOT.	100%
SAFE	100%
ETABS	100%
SAP2000	100%
LsDyna	60%
ABAQUS	100%
PATRON	70%
Archi CAD	100%
Auto CAD	100%
Math CAD	60%
Mathematica	80%
Math LAB	70%

GOOGLE SCHOLAR EVALUATION

Google scholar citations



Cited by	All	Since 2015
Citations	48	23
h-index	3	3
i10-index	1	0

WORK EXPERIENCE

Libyan Academy – Tripoli, LIBYA

01/02/2020 – So far

⇒ School of Applied Sciences and Engineering. Civil Engineering Department

High Institute of Engineering Ghryan, Civil Engineering Department

10/2015 – 02/2020

⇒ Head of the Civil Engineering Department at the High Institute of Engineering Technology, Ghryan (HIETG).

Warsaw University of Technology, Researcher

10/ 2008 – 09/2015

⇒ Researcher in building sciences, modeling, simulation and design standards for high-rise buildings (composite joints) under unexpected loads using the Eurocode & FE Modeling using ABAQUS, LSDYNA and PATRON.

Scientific researcher in the field of the structure's resistance to earthquakes and explosions and participation in accurate scientific research in Japan, South Africa, Poland and China.

Warsaw University of Technology, FEM Designer

10/ 2004 – 09/2008

⇒ Completion of the remaining courses and equivalence of the Libyan certificate with the certificate of the Warsaw University of Technical - Faculty of Civil Engineering with English & Polish Language.

⇒ Working in the evening period as a designer using FE Modeling technology, whether in design or in practical research and contribute to major projects in the state of Libya

Evening work (extra work experience)

ARAI Center for Construction Design, Libya

10/2015 – so far

⇒ Head of the Center, Specialist in structural design and smart buildings. Giving and offering advanced courses in structural design using modern technology in compliance with the European symbol.

General Constriction Company, Libya

10/2001 – 9/2003

⇒ Musrata Projects Manager - Construction of hangars for Al-Brega Company, the largest project in the state of Lib participation in accurately at this time contains 4 hangars, an area of 60,000 square meters covered, and 12 km of internal roads and public facilities, implemented by foreign companies (Polish and Indian).

Scientific Publishing

- Experimental investigations of the joint behavior-robustness assessment of steel and steel-concrete composite frame, A Kozłowski, M Gizejowski, L Slecza, Z Pisarek, B Saleh, Proceeding of 6th conference on steel and composite structures, 2011, Budapest, **Hungary**.
- Numerical Study of Joint Behaviour for Robustness Assessment, MA Gizejowski, L Kwasniewski, B Saleh, M Balcerzak, Applied Mechanics and Materials, 2012, **China**.
- Modelling of beam-to-column joint of steel-concrete composite frames subjected to standard and extreme load combinations, B Saleh, PhD thesis, Warsaw University of Technology, 2013, Warsaw, **Poland**.
- On evaluation of a unified moment-rotation characteristic of steel and steel-concrete composite joints, MA Gizejowski, W Barcewicz, J Uziak, B Saleh, Research and Applications in Structural Engineering Mechanics, 2013, Kept Town, **South Africa**.
- Moment-Rotation Characteristic of Joints of Steel-Concrete Composite Frame under Exceptional Events, International Association for Bridge and Structural Engineering, B SALEH, 2015, Nara, **Japan**.
- Experimental investigations of the frame behaviour subjected to exceptional actions, M Gizejowski, B Saleh, A Kozłowski, L Słeczka, Zeszyty Naukowe Politechniki Rzeszowskiej, Seria: Budownictwo i Inżynieria, 2013, **Poland**
- Numerical Study of Four Bolts End-Plate Joint Behaviour for Robustness Assessment, B. SALEH, International Conference on Civil Infrastructure and Construction February 2020, Doha, **Qatar**.