

CURRICULUM VITA

Usama Hamed Issa

PERSONAL DATA:

Date of Birth : May 20, 1972.

Nationality : Egyptian

Marital Status : Married with four children

Address :Home: 3 ElHoria street, Minia, Egypt

:Work Civil Engineering department, Faculty of Engineering,
Minia University, Minia, Egypt, 61111

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Current Position: Associate professor, Civil Engineering Dept., Faculty of Engineering, Taif university, Saudi Arabia.

Permanent Position : Associate professor, Civil Engineering Dept., Faculty of Engineering, Minia university, Egypt and consultant Engineer.

Mother tongue: :Arabic

Second language :English

Other languages: :German, French



EDUCATION

Researcher fellowship : 2012-2013 (construction Engineering and Management) ,
Civil and environmental engineering dept., *Gunma University, Japan*

Doctor of Philosophy: 2008 (construction Engineering and Management) , Civil
engineering dept., Faculty of Engineering, Minia university (2 years as a
researcher in the Institute for Technology and Management in Construction (TMB)
, *Karlsruhe Universty, Karlsruhe, Germany*), Dissertation topic: "Development of
a risk analysis model for the Egyptian water projects."

Master of Science:1999, Civil engineering dept., Faculty of Engineering, Minia
university, Thesis: "Flash floods studies in the wadis of Minia Governorate to the
east of River Nile and their effect on the Development."

Bachelor of Science: 1995 Civil Engineering , Faculty of Engineering , Minia University, Graduation Project: very good with honor's degree in general grade, Distinction in final year grade, R.C graduate project - five different units.

TEACHING

Associate Professor: (2015-Now) Civil Engineering Department, Faculty of Engineering, Taif University, Saudi Arabia.

Researcher fellowship : 2012-2013 (construction Engineering and Management) , Civil and environmental engineering dept., **Gunma University**, Japan

Assistant Professor: (2008-2015) Civil Engineering Department, Faculty of Engineering, El-Minia University, Egypt.

Researcher: (2006-2008), Institute for Technology and Management in Construction (TMB) , **Karlsruhe University**, Karlsruhe, Germany.

Teaching assistance: (1999 -2006) Civil Engineering Department, Faculty of Engineering, El-Minia University, Egypt.

Instructor: (2001-2003): Ministry of Irrigation and Water Resources, Minia Directorate, Egypt. Annual Short Course on "Flash Floods and its impact on development".

Demonstrator: (1995 -1999) Civil Engineering Department, Faculty of Engineering, El-Minia University, Egypt.

CONFERENCES

- 21-23 Nov., 2000, attended and presented a paper in the International Conference on Wadi Hydrology, Sharm El-Shikh, Egypt
- 16-18 March 2002., attended and a member in the organizing committee of the 2nd Minia International Conference for Advanced Trends in Engineering, (MICATE'2002) Elminia, Egypt,
- 3-5 April 2005, ., attended and a member in the organizing committee Of the 3 rd Minia International Conference for Advanced Trends in Engineering, (MICATE'2005) Elminia, Egypt.
- 15-18 April, 2005, attended the Minia International Conference "Towards a Safe and Clean Environment", (TSCE05), Elminia, Egypt,.
- 21-22 sept., 2006 attended the International Facility management symposium, Karlsruhe , Germany

- 23 Jan., 2007 attended the 2nd lean construction Praxis Karlsruhe, Germany.
- 18-19 Nov., 2009 attended and presented a paper in the First International Conference on Economists & Management of Water in Arab World and Africa, Assiut university, Egypt. (the conference is organized by Assiut University and Moscow State University, RUSSIA)
- 21-23 Dec., 2010 attended and presented a paper in Al-Azhar Engineering Eleventh International Conference, Cairo, Egypt,
- 5 -7 July, 2011 attended and presented a paper in the Six International Conference on Construction in the 21st Century (CITC-VI) “Construction Challenges in the New Decade”, Kuala Lumpur, Malaysia.
- 7 -9 November, 2012 attended and a member in the organizing committee in International Symposium on Earthquake-induced Landslides International, Kiryu, Japan.
- 2-4 September, 2015 attended and presented a paper in the 6th International Conference on Engineering, Project, and Production Management (EPPM2015), Gold Coast, Australia

PUBLICATIONS

T. ABDEL-LATIF, M. EL-MANADILY, M. A. ELZEIR, AND USAMA HAMED ISSA (2000), "Effect of Flash Floods on the Development to the East of the Nile River in Minia Governorate, Egypt", International Conference on Wadi Hydrology, Sharm El-Shikh, Egypt, 21-23 Nov., 2000.

FAEK A. K. HASSONA, HANY M. EL-SAWAH, and USAMA HAMED ISSA (2009), " RISK IDENTIFICATION AND ASSESSMENT FOR THE EGYPTIAN WATER PROJECTS", First International Conference on Economists & Management of Water in Arab World and Africa , Assiut university, Egypt, 18-19 Nov., 2009.

USAMA HAMED ISSA (2010), “FACTORS AFFECTING QUALITY IN THE EGYPTIAN CONSTRUCTION INDUSTRY, CASE STUDY: INFRASTRUCTURE PROJECTS”, Al-Azhar University Engineering Journal, JAUES, vol. 5, No. 1, pp. 530 – 541, Dec., 2010.

USAMA HAMED ISSA (2011) “DEVELOPING AN ASSESSMENT MODEL FOR FACTORS AFFECTING THE QUALITY IN EGYPTIAN ROADS CONSTRUCTION”, Six International Conference on Construction in the 21st Century (CITC-VI) “Construction Challenges in the New Decade” July 5-7, 2011, Kuala Lumpur, Malaysia.

USAMA HAMED ISSA (2012), “DEVELOPING AN ASSESSMENT MODEL FOR FACTORS AFFECTING THE QUALITY IN THE CONSTRUCTION INDUSTRY”, Journal of Civil Engineering and Architecture, Vol 6, No 3, pp. 364 – 371, March 2012 (ISSN 1934-7359)

USAMA HAMED ISSA (2012), "A MODEL FOR TIME OVERRUN QUANTIFICATION IN CONSTRUCTION OF INDUSTRIAL PROJECTS BASED ON RISK EVALUATION", Journal of American Science Vol. 8, No 8. pp 523-529 Aug, 2012.

Saleh Alawi Ahmad, USAMA HAMED ISSA, Moataz Farag and Laila M. Abdelhafez, "EVALUATION OF RISK FACTORS AFFECTING TIME AND COST OF CONSTRUCTION PROJECTS IN YEMEN", *International Journal of Management (IJM)*, volume 4, No 5, October 2013, pages:168-178. (ISSN Print: 0976-6502)

USAMA HAMED ISSA, "IMPLEMENTATION OF LEAN CONSTRUCTION TECHNIQUES FOR MINIMIZING THE RISKS EFFECT ON PROJECT CONSTRUCTION TIME", *Alexandria Engineering Journal (Elsevier)*, 2013, 52, 697–704-ISSN: 1110-0168 (indexed by Scopus)

USAMA HAMED ISSA, and Mohamed A. Eid "AN APPLICATION OF GENETIC ALGORITHMS TO TIME-COST-QUALITY TRADE-OFF IN CONSTRUCTION INDUSTRY", *Journal of Civil and Environmental Research*, Vol.3, No.12, 2013, ISSN 2224-5790

USAMA HAMED ISSA and Aly Ahmed, " ON THE QUALITY OF DRIVEN PILES CONSTRUCTION BASED ON RISK ANALYSIS", *International Journal of Civil Engineering*, volume 12, April 2014 (Springer) (indexed by ISI and Scopus)

USAMA HAMED ISSA, Aly Ahmed and Keizo Ugai " A DECISION SUPPORT SYSTEM FOR GROUND IMPROVEMENT PROJECTS USING GYPSUM WASTE - CASE STUDY: EMBANKMENTS CONSTRUCTION IN JAPAN", *Journal of Civil and Environmental Research*, Vol.4, No.1, 2014.

Aly Ahmed and USAMA HAMED ISSA "STABILITY OF SOFT CLAY SOIL STABILISED WITH RECYCLED GYPSUM IN A WET ENVIRONMENT", *Journal of Soils and Foundations (Elsevier)*, the Japanese Geotechnical Society, Volume 54 No. 3, 2014, 405–416 (indexed by ISI and Scopus).

Taher Waheed, USAMA HAMED ISSA, Salah Gamal, Laila Abd-EL Hafez," RELIABILITY OF EGYPTIAN CODE OF PRACTICE EQUATIONS TO DESIGN REINFORCED CONCRETE SECTIONS UNDER STATIC SHORT TIME TORQUE" *Journal of engineering sciences, Faculty of engineering- Minia.University*, Vol.33, 2014.

M. Kobayashi, USAMA H. ISSA, and A. Ahmed, "ON THE COMPRESSIVE STRENGTH AND GEO-ENVIRONMENTAL PROPERTIES OF MC-CLAY SOIL TREATED WITH RECYCLED BASSANITE", *International Journal of Civil Engineering*, volume 13, March 2015, (Springer) (indexed by ISI and Scopus).

USAMA H. ISSA, Moataz A. Farag, Laila M. Abdelhafez and Saleh A. Ahmed," A RISK ALLOCATION MODEL FOR CONSTRUCTION PROJECTS IN YEMEN", *Journal of Civil and Environmental Research*, (ISSN: 2224-5790), Volume 7, No. 3, 2015.

A. M. Hassan and USAMA H. ISSA "DEVELOPING A DECISION-MAKING MODEL FOR REINFORCED CONCRETE COLUMNS STRENGTHENING", *International Journal of Geomate, Mie University, Japan- ISSN: 2186-2982*, Volume (9), No (1), 2015, serial number (17) (indexed by Scopus).

Badr Alsulami, USAMA H. ISSA, and Sherif Mohamed "FACTORS GOVERNING OUTSOURCING ENGINEERING CONSULTANCY IN SAUDI ARABIAN CONSTRUCTION INDUSTRY", 6th International Conference on Engineering, Project, and Production Management (EPPM2015), Gold Coast, Australia, 2-4 September, 2015

Ahmad Abdul-Zaher , Laila Abdul-Hafez, Yasser Rifat Tawfic , and USAMA H. ISSA " SHEAR BEHAVIOR OF FIBER REINFORCED CONCRETE BEAMS", Journal of Engineering Sciences, Assiut University, Egypt, Volume (44), No (2), **March, 2016**

USAMA H. ISSA, Aly Ahmed, I.M. Salama and I.A. Elshinnawy" QUALITATIVE RISK ANALYSIS FOR DRIVEN PILES ACTIVITIES", European Journal of Advances in Engineering and Technology, 4 (2): 76-80, **Feb, 2017**

M Alwetaishi, A Elamary and USAMA H. ISSA, "FEASIBILITY STUDY OF RENEWABLE ENERGY TECHNOLOGY INTEGRATION IN HOUSING SECTOR: A REAL APPLICATION IN SAUDI ARABIA", European Journal of Advances in Engineering and Technology, 4 (3): 172-182, **March, 2017**

I.A. Elshinnawy, Issam Edin Foad, I.M. Salama and USAMA H. ISSA," IMPACTS OF SEA LEVEL RISE ON COASTAL FLOODING OF NILE DELTA, EGYPT", International Journal of Scientific Research in Science, Engineering and Technology, 3 (2), 71-77 **April 2017**.

Fam F. Abdel-malak, USAMA H. ISSA, Yehia H. Miky, Emad A. Osman, " APPLYING DECISION-MAKING TECHNIQUES TO CIVIL ENGINEERING PROJECTS", Beni-Suef University Journal of Basic and Applied Sciences, (**Elsevier**), **May 2017 (indexed by Scopus)**.

Farhan A. Salem , Mohamed M. K. and Usama H. Issa, " PROPOSED SIMPLE AND EFFICIENT CONTROL ALGORITHM DESIGN APPROACH", International Journal of Applied Engineering Research, 12 (9), **2017. (Indexed by Scopus)**

M. Alwetaishi, M. Gadi and USAMA H. ISSA, "RELIANCE OF BUILDING ENERGY IN VARIOUS CLIMATIC REGIONS USING MULTI CRITERIA", International Journal of Sustainable Built Environment, (**Elsevier**), **2017 (Indexed by Scopus)**.

S. A. Mosaad, USAMA H. ISSA and M. Salah Hassan, " Risks Affecting the Delivery of HVAC Systems: Identifying and Analysis", Journal of Building Engineering, (**Elsevier**), **2018 (Indexed by Scopus)**.

USAMA H. ISSA and I.M. Salama, " Improving Productivity in Saudi Arabian Construction Projects: An Analysis based on Lean Techniques", International Journal of Applied Engineering Research, 13 (10), **2018. (Indexed by Scopus)**.

I. A. Sharaky, M. Alwetaishi , and USAMA H. ISSA, " The Effect of Recycled Coarse Aggregate and Industrial Wastes on the Compressive Strength at Normal and Elevated Temperatures" ", International Journal of Applied Engineering Research, 13 (10), **2018. (Indexed by Scopus)**.

Papaers under review

- Risk factors cause Disputes in Construction contracts
- Application of Fuzzy TOPSIS Approach to Deep Excavation Support System Selection Problem
- A decision support model for civil engineering projects based on multi-criteria and various data

Current Research projects

- Utilizing new techniques to increase construction projects productivity in KSA
(Funded from Taif University)
- Using waste materials as alternatives in RC components in KSA
(Funded from Taif University)
- Developing a Model for Cost Overrun Quantification in Construction Projects Based on Risk Evaluation
- Developing a Decision Support System for Outsourcing Engineering Services in construction industry for Saudi Arabian Public Sector
- Development A Model For Bids Prices Assessment And Analysis In The Egyptian Construction Projects

Reviewer for many manuscripts in many journals, for Example:

- Technological advances in rebar tying jobs: a comparative analysis of the associated yields and illnesses.
- A Hybrid Model by SWOT- Fuzzy ELECTRE to Select Private Sector in Partnership Projects.
- Quantitative risk allocation using cooperative-bargaining game theory.
- An Empirical Study of Applying ISO 9001 Elements in Large Size Indonesian Contractors.
- Conceptual Model of Noise Hazard Assessment System for Construction Workers.

MAJOR QUALIFICATIONS

- Member of American Society for civil Engineers (ASCE ID No# 11358892)
- Vice director of Project Management Office, Taif University (supervision of new Taif University Campus in Sisid, with expected cost 12 Billion R.S)
- General director for the Minia consultant Engineering Group
- Consultant Engineer (certified from Egyptian Engineering Syndicate in 16/01/2011 No. (6134/1)).
- Team leader for the construction Management Engineering group members in Taif University and Minia university.
- Member in the Committee of Quality assurance at the University of Minia
- Member in the Committee of Crisis Management at the University of Minia
- Member in the consulting unit of the faculty of Engineering, Minia university

- Coordinator for the *UNICEF* projects at Minia district (from Jan. 2005 – Oct. 2005).
- Member of the Egyptian Engineering Syndicate

ACADEMIC EXPERIENCE

- **Supervisor** (2009-now) for 7 master degree and 2 Ph. D degree (Egyptian, Libian, Yemen, and Kwait students) in Civil Engineering Department, Faculty of Engineering, Minia University, Egypt. Their reserchs related many topics in the field of constrution engineering and management, contracts, cost esitmation, time scheduling, BOT projects, risk analysis, quality in construction projects and lean construction.
- Teaching many undergraduate courses for the students as follows:

<i>Department</i>	<i>courses</i>
Civil Eng. Dept., Taif University, Saudia Arabia	1-methods and equipments in Construction 2- Specification and contracts. 3-Construction managment
Civil Eng. Dept., Minia University	1-Construction management , Specification and contracts. 2- Engineering Economics and statistics
Civil Eng. Dept., azhar university, Qena branch	Construction management , Specification and contracts.
Arch. Eng. Dept., azhar university, Qena branch	Construction Engineering and management
Higher Institute of Engineering and Technology ,Minia	1 - Construction Engineering and management 2- Specification, contracts and BOQs

- Teaching many graduate courses for civil Engineering graduate students as follows:

1 - Risk Management and Safety	4-(scope, time , cost, procurement and comunication) project management
2- Advanced Construction Management	5- new topics such as decion making, lean construction
3- Quality Project management	

ABET EXPERIENCE

Civil Eng. Program in Taif University is accredited for **ABET** (Accreditation Board for Engineering and Technology) in **Dec. 2015**, the following Tasks and jobs are completed and occupied by Usama Hamed.

- 1- Coordinator for Civil Engineering Program for (**ABET**) .
- 2- Head of Curriculum and Courses Committee (CCC) 2015-2016.
- 3- Civil Department Council Secretary for ABET Minutes 2014-2016.
- 4- Head of Senior Projects Committee, 2017-2018
- 5- A member in the following committees:
 - ◆ Senior Projects Committee 2015-2017
 - ◆ Academic Advisory committee 2014-2017
 - ◆ Students Advisory Board (SAB) 2014 -2016
 - ◆ Program Accreditation Committee (PAC) 2014 -2017
 - ◆ SSR preparation report 2014-2015.
 - ◆ Courses timetables Committee 2017-2018
 - ◆ Assessment and Continuous Improvement Committee 2017-2018

OTHER EXPERIENCES

- Design and Consulting for many big projects (See selected Projects table)
- Working as a member at the consulting office of the faculty of engineering- Minia University (designing and supervising the projects of feeding water , the sanitary pipelines ,water refining station of Minia Industrial Zone and offering solutions to prevent ElMinia ElGedidah City from the effects of flash floods, supervising Suzan Mubarak Hospital with an area of 10000m2 ,(1995 till Now)
- Working as consultant Eng. At “ consultant Eng. group Office ” MINIA ... 1999 : till Now (deigning and supervising more than 250 housing, industrial , educational and general building)
- studying 9 Germany Courses (400 hrs) at (language Center, Assiut University) (GIII)
- attending courses of Project Management Proffesional (PMP)
- attending 2 training courses in the field of (sedimentation and erosion) at (DAAD center-Cairo)
- attending 1 training course in the field of (Engineering contracts) at (National center for housing and buildings -Cairo)
- attending 7 training courses in the field of (Teaching fundamentals and teaching development) at (Minia University center for educational technology).

- **Ability to use variety of computer programs: project management, spreadsheets, cost estimating, concrete design**
- **Ability in programming for many research and practical problems in the field of construction problems**

Selected projects

No	Project title	Year	Place	Area m ²	Cost (mi. LE)	Notes
1	Taif University Campus in Sisid	2015-2016	Sisid, Taif	16000000 (4 Km*4Km)	12 Billion RS	Owner representative, Vice director of Project Management Office, Taif University.
2	Elminia Elgedida Social Club	2015-2016	Elminia Elgedida, Minia	80000	15	Design
3	Minia Sporting Stadium	2015	Minia town		300	Design-supervision-tendering, cash flow and scheduling documents -plan modification
4	Three residential towers 13 Floors in Minia Governorate	2015	Minia Town	2100	21	Design
5	Dar Oloom faculty new building	2014	Minia university	7500	120	Design-supervision-tendering, cash flow and scheduling documents -plan modification
6	Two residential towers 13 Floors in Minia Governorate	2014	Minia Town	1600	16	Design
7	Assistance Medical Sciences Institute	2013	Minia Industrial Zone, Minia	1400	15	Design-supervision-tendering, cash flow and scheduling documents -plan modification
8	Minia Engineering Syndicate Club	2012	Elminia Elgedida, Minia	1500	22	Design-supervision-tendering, cash flow and scheduling documents -plan modification
9	Three residential towers 13 Floors in Minia Governorate	2012	Minia Town	2100	16	Design
10	Star Egypt for industry and oil refining factory	2011	Minia Industrial Zone, Minia	4900	29	Design-supervision-tendering, cash flow and scheduling documents -plan modification
11	Higher Institute of Languages	2011	Minia Industrial Zone, Minia	2200	15	Design--tendering
12	R C Saw tooth shed, Faculty of Engineering,	2010	Beni Suef University	5700	19	Design
13	Two Commercial and residential towers 13 Floors in Minia Governorate	2010	Minia Town	1600	12	Design
14	United Company for drying agricultural products Factory	2010	Minia Industrial Zone, Minia	5200	22	Design-supervision-tendering, cash flow and scheduling documents -plan modification
15	College of Nursing, Beni Suef University	2009	Beni Suef University	3800	28	Design
16	College of Physical Education	2009	Beni Suef University	3800	28	Design
17	A standard school, AboFleo	2009	Minia Town	2900	13	RE-Design
18	Pasta Factory	2009	Minia Industrial Zone, Minia	12000	15	Design-supervision-tendering, cash flow and scheduling documents -plan modification
19	Three residential towers 13 Floors in Minia Governorate	2009	Minia Town	1650	16	Design
20	Silos and Flour Mills (ADMs Company)	2008	Minia Industrial Zone, Minia	1800	18	Design-supervision-tendering, cash flow and scheduling documents -plan modification
21	Industrial Education College	2006	Beni Suef University	1900	11	Design
22	Higher Institutes buildings includes administrative, Hotel, training, Hospital and students accommodation	2005-2006	Minia Industrial Zone, Minia	6500	13	Design-supervision-tendering, cash flow and scheduling documents -plan modification
23	Three higher Institutes namely: Health Sciences Institute, Engineering Institute and Institute for Industrial Establishments	2005-2006	Minia Industrial Zone, Minia	7500	32	Design-supervision-tendering, cash flow and scheduling documents -plan modification
24	A school and Kindergarden (ERaai Elsaleh)	2004	Elminia Elgedida, Minia	3000	9	RE-Design
25	German school (including primary and secondary education Buildings)	2004	Minia Industrial Zone, Minia	3200	9	Design
26	Flour 82% Mills Buildings	2002	Minia Industrial Zone, Minia	1600	8	Design-supervision-tendering, cash flow and scheduling documents -plan modification
27	Refrigerator Building for keeping fruits and vegetables	2001	Minia Industrial Zone, Minia	1300	5	Design
28	design of more than 250 residential buildings and villas in the cities of Minia, New Minia, Teba, 6 October , New Cairo	1999-till Now		200 : 1500		Design-supervision
29	Design of more than 55 factory	1999-till Now		600 : 10000		Design-supervision
30	Inspection for more than 400 residential building in Minia Governorate			350		