



## CURRICULUM VITAE

### I. PERSONAL INFORMATION:

- ◆ Name : **Yassin Shaher Sallam Al Madhaji**
- ◆ Nationality : Yemeni
- ◆ Date & Place of Birth : January 22, 1954, Aden-Yemen
- ◆ Marital Status : Married, 4 Children
- ◆ Language Proficiency : Arabic (Mother Tongue ), English and French
- ◆ Contact Information:
  - **Address:** University of Dammam (KFU Previously)  
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### II. EDUCATIONAL QUALIFICATIONS:

- ✦ **Ph.D.** Structure Engineering (**NDT**), Rouen University, June, 1984  
Haut Normandie - France.
- ✦ **Advance Diploma**, Structure Materials Technology, June, 1981  
Rouen University, Haut Normandie-France.
- ✦ **M.Sc.** Materials Science Eng., Amiens University, June, 1980  
Picardie -France.
- ✦ **B.Sc** Structure Eng., Amiens University, June, 1978  
Picardie -France

### III. ACADEMIC RANK:

- ◆ Assistant Professor: February 1985
- ◆ Associate Professor: December 1992
- ◆ Full Professor : July 2002

#### **IV. PROFESSIONAL RECORD:**

- ❖ Member of Building Science and Engineering Dept. 2004 -Present  
College of Architecture & Planning  
University of Dammam (KFU Previously), KSA.
- ❖ Member of Academic Council - Sana'a University. 2002 -2004
- ❖ Dean of the Faculty of Engineering 2001-2002  
University of Applied Sciences - Yemen.
- ❖ Head of Civil Engineering Department, FOE, Yemen. 1999- 2001
- ❖ Chairman of Postgraduate & Scientific Research, FOE. 1998- 2001
- ❖ Head of Civil Engineering Department, FOE, Yemen. 1995 -1997
- ❖ Charge of Dean Affaires of FOE, Sana'a University. 1992 -1993
- ❖ Vice-Dean of FOE, Sana'a University, Yemen. 1990 -1992
- ❖ Academic Advisor of FOE, Sana'a Univ., Yemen. 1986 -1989
- ❖ Lecturer, Rouen University - France. 1980 -1981

#### **V. PREVIOUS OCCUPATION:**

- ◆ Director, Engineering Consulting Bureau, FOE. 1993-1995  
Research FOE, Sana'a University, Yemen.
- ◆ Laboratory Supervisor, Ministry of Public Works, Yemen. 1984-1985
- ◆ Structural Engineer, Gas of France Co. 1981-1983  
Direction of Production and Transport,  
Plaine Saint - Denis, Paris - France.

#### **VI. INTERNATIONAL ACADEMIC ACTIVITY:**

- ◆ Visitor Professor, Le Havre University-France 1998- 2003  
(May - July). For years, in addition,  
Experimental Research Works, Funded by CE.
- ◆ Sabbatical leave, Research on NDT, INSA-Lyon 1996-1997  
France, funded by CE.
- ◆ Visitor Professor, ENTPE "Ecole Nationale des Travaux 1991-1992  
Publics de l'Etat", Lyon- France.
- ◆ Sabbatical leave, researcher for traditional 1990-1991  
Yemeni materials building "Gadad", for reconstruction  
the old wall of Sana'a City. Funded by UNESCO
- ◆ Lecturer, Rouen University - France. 1980-1981

#### **VII. CONSULTING EXPERIENCE:**

- ❖ Consultant to Scientific Council for Systems & Applied 1999-2004  
Science (SCSAS), Yemen.
- ❖ Consultant Engineer for Civil Works, at Electromontaj S.A. Corp. 1996-1997
- ❖ Consultant to Faculty of Education's Project funded by 1995 -1996  
the World Bank. Sana'a-Yemen.
- ❖ Consultant for Quality Control, Amran Plant Cement. 1995-2004
- ❖ Consultant in Taiz - Aden Power Link Substation Project, 1995-1996  
funded by Islamic Bank.
- ❖ Consultant in Executive Officer, for the Preservation of 1990 -1993  
the Historical Cities, Yemen (EOPHCY).  
For restoration of some historical places in old Sana'a city and  
Shibam - Hadramout city.
- ❖ Consultant Engineer for Civil Work at the Supreme Council 1985 -1988  
for Reconstruction of Earthquake Affected Areas -Dhammar.

- ✧ Consultant to Several Local Engineering Offices (Structural Design and Rehabilitation). 1985 -2004
- ✧ Participated in many of Reports, designs, and supervising of a number of residential projects and various construction building installations. 1985 -2004

### **VIII. WORKSHOPS, DEVELOPMENT OF EDUCATIONAL PROCESS & OPTIMIZING THE EFFICIENCY OF UNIVERSITY STAFF :**

- Using WebCT in Distance Educational System, Khobar. April, 2007
- Preparation Electronic Tests, by WebCT System, Dammam. February, 2008
- Effective Teaching Using Management Education, Khobar. May, 2008
- Improve Skills Contact for University Staff, Dammam. May, 2009

### **IX. COURSES TAUGHT:**

#### **1. UNDERGRADUATE LEVEL:**

- ✓ Technical Project II, & III, (3<sup>rd</sup> year), V & VI (5<sup>th</sup> year)
- ✓ Structural Analysis
- ✓ Theory of Structures
- ✓ Strength of Materials
- ✓ Concrete Technology
- ✓ Construction Building
- ✓ Reinforced Concrete Designs
- ✓ Problems & Failures in Buildings
- ✓ Combustion Fundamentals of Fire

#### **2. GRADUATE LEVEL:**

- ✧ Structural Materials Testing
- ✧ Pre-stress Concrete Structure
- ✧ Non-Detective Testing (NDT)
- ✧ Topical Advanced Structural

#### **3. PROJECT SUPERVISOR:**

- Two to four students in (B.Sc.) final project, in Structural Domain
- Supervised several Post-graduate (M.Sc.) projects, Structure and Quality Control

### **X. RESEARCH INTERESTS :**

- ✧ Project Structure
- ✧ Construction Building
- ✧ Concrete Technology
- ✧ Non-Destructive Testing
- ✧ Material Buildings Quality Control
- ✧ Structural Design
- ✧ Radiation's Protection
- ✧ Rehabilitation and Maintenance of Buildings

## XI. SELECTED PUBLICATION AND RESEARCH:

No.	Author	Article Title	Journal/Conference	Date
1	<b>Sallam, Y. S.</b>	<i>Absorptiometer application in Nondestructive testing, uses industrial radiation</i>	Journal NDT, , Paris - France	Jan., 1986
2	<b>Humman, R. Sallam, Y. S.</b>	<i>Ultrasonic parameters of qualitative determination of material structure.</i>	9 <sup>th</sup> world conference on non-destructive testing, , Melbourne - Australia.	Nov. 22-25, 1989
3	<b>Sallam, Y. S. Kamal M.</b>	<i>Micro hardness study of Fe<sub>80</sub> B<sub>20</sub> Fe<sub>78</sub> MO<sub>2</sub> and Fe<sub>40</sub> Ni<sub>40</sub> P<sub>14</sub> B<sub>6</sub></i>	International workshop of physics and materials, Bhopal - India.	Jan. 22 - Feb. 03, 1990
4	<b>Sallam, Y. S.</b>	<i>Modernization of local materials for traditional building,</i>	National Conference on Quality Control of Building Materials. Sana'a - Yemen.	June 29 - 31, 1990
5	<b>Sallam, Y. S.</b>	<i>Modernization of traditional technique of Zaboor made, for maintenance and reconstruction in old city of Sana'a.</i>	International Conference of Materials, Construction Technique and Economy in Developing Countries, Paris - France.	Dec. 10 -11, 1990
6	<b>Sallam Y. S.</b>	<i>Behavior and Influence of the Constructions, and Building during the earthquakes, and the structural consideration,</i>	1 <sup>st</sup> National Symposium on Earthquakes, Their Impact on Development Plans and their Hazard Mitigation, Sana'a - Yemen.	Dec. 09 -11, 1991
7	<b>Sallam, Y. S. Alabd, Z.R</b>	<i>Accordance of Amran cement plant to international Standard Specifications,</i>	Studies and Researches Yemeni Journal, n <sup>o</sup> 46, Sana'a - Yemen.	Apr. 1992
8	<b>Sallam, Y. S.</b>	<i>Concrete cracks in sana'a region,</i>	The Jordanian Conference on Civil Engineering, Amman - Jordan.	June 2 - 4, 1992
9	<b>Sallam, Y. S.</b>	<i>Using the pozzolanas with lime mixing like plaster in Republic of Yemen,</i>	1 <sup>st</sup> International Conference on Implementing Local Materials in Industrial Applications, Amman-Jordan.	Sept. 6 - 9, 1993
10	<b>Sallam, Y. S. Samraiy, M. A</b>	<i>The production of HSC in Yemen, using Indigenous materials,</i>	1 <sup>st</sup> Engineering Conference, Mansoura, Egypt.	Mar. 28 - 30,1995
11	<b>Chalin, J-P Sallam, Y. S. Goudeau, A.</b>	<i>Etude expérimental du comportement des bétons à hautes performances renforcés de fibres d'aciers sous chargements statique et cyclique,</i>	Journal de Matériaux. et constructions Journal, Vol. 30, n <sup>o</sup> 221, Paris - France.	Juin, 1999
12	<b>Sallam, Y. S.</b>	<i>Study of engineering properties of traditional material "Gadad" used in Yemeni constructions,</i>	Journal of Science and Technology, Vol. 6, n <sup>o</sup> II, Sana'a -Yemen.	Feb. 2002
13	<b>Sallam, Y. S.</b>	<i>Reconstruction of Sana'a Historical Wall, Vol. 6, n<sup>o</sup> 1, , Aden -Yemen.</i>	Journal of Natural and Applied Science, Univ. of Aden,	Mar. 2002
14	<b>Sallam, Y. S.</b>	<i>Aspiration and the reality of the traditional Building in</i>	Symposium on Urban development on desert region	Nov. 2-4, 2002

		<i>Wadi Hdramout,</i>	and their construction problems, Riyadh - KSA	
15	<b>Sallam, Y. S.</b>	<i>Structural requirement of bearing walls for resist of earthquakes,</i>	Symposium of Disaster's Management and Safety of Buildings in Arab Countries, Riyadh - KSA	Mar. 30 - Apr. 03, 2008
16	<b>Shamshad, A. Sallam, Y. S. Al-Hashmi, I.</b>	<i>Optimizing dosage of Lytag as coarse aggregate in lightweight aggregate concretes</i>	J. S. Afr. Inst. Civ. Eng. vol.55 no.1 Midrand version ISSN 1021-2019	Apr. 2013
17	<b>Sallam, Y. S. Shamshad, A. Al-Hawas, M.</b>	<i>Effect of temperature levels and mixture proportions on mechanical properties of concrete, subjected to high temperature</i>	10 <sup>th</sup> International Conference on Structural Materials Manchester University, UK	June, 17-19, 2014
18	<b>Sallam, Y. S. Almntser O.</b>	<i>Mix design and application of high performance fly ash concrete</i>	ASTM International Journal of Testing and Evaluation, vol.16, Coden: JTEVAB, ISSN: 0090-3975, USA	Sept. 2014
19	<b>Sallam, Y. S. Shamshad, A.</b>	<i>A study on strengthening of concrete using Carbon Fiber- reinforced polymer sheets</i>	To be Published	

## XII. TECHNICAL PROFESSIONAL REPORTS AND STUDIES:

- 1) **Sallam, Y. S.**, *Asser Location Site- Soil Investigation report*, for Military Economical Cop. (MECO), July 1985.
- 2) **Sallam Y. S.**, *Physical & Technical Tests of Building Materials, for Wadi Moor in Hodeidah*, for Ministry of Agriculture and Fiches, Tyhama Development Authority, August 1985.
- 3) **Sallam, Y. S., Kassabi, A-F**, *Technical Report and Solution of Problems between Contractors and Client in Reconstruction Project*, for the supreme council for Reconstruction of Earthquake Affected Areas, Dhammar province, January 1986.
- 4) **Dubak, N., Sallam, Y. S.**, *Report of National Committee on Engineering Infrastructure: Subcommittee on Scientific Equipment and Apparatus* for the Faculty of Engineering, for Ministry of Education, (Education Projects Division), March 1987.
- 5) **Sallam, Y. S.**, *Physical and Mechanical Properties of Zaboor, and Gadad Rehabilitation of southern wall of old city of Sana'a and Samsarat Almansourah* For Executive Office for the Preservation of the Historical Cities in Yemen (EOPHCY), January 1990.
- 6) **Sallam, Y. S.**, *Restoration of the wall of Sana'a project*, for EOPHCY, March 1990.
- 7) **Sallam, Y. S., Kassabi, A-F** *Technical Report (Structure, Soil Destructive and Non-destructive Testes)* for Ring Road in Sana'a City, for the Authority of the Capital Sana'a, May 1991.
- 8) **Sallam, Y. S.**, *Development on traditional method of Gadad like plaster in Republic of Yemen*, for EOPHCY.
- 9) **Sallam, Y. S.**, *Physical and Mechanical Properties of Structural Materials for the Faculty of Education Building Projects*, for Sana'a university and Center of Planning and Architecture Studies (CPAS), July 1996.
- 10) **Sallam, Y. S.**, *Raw Mill – Gearbox axial adjustment for Amran Cement Plant*, Mach 1998.

### XIII. TEXT BOOKS FOR B.Sc. ENGINEERING STUDENTS:

- ♦ **Concept of structure**, for building Engineering Student, 2006  
King Faisal University
- ♦ **Strength of Materials**, for Engineering Students, 2008  
University of Dammam
- ♦ **Reinforce concrete Design Part I and Part II**, for Building Engineering, 2009  
University of Dammam

### XIV. CONTRIBUTION TO SCIENTIFIC JOURNALS & CONFERENCES COMMITMENTS:

- ❖ Member of Building Technology Magazine's Jury, 2008- present  
Ministry of Municipal and rural Affairs, Riyadh, KSA
- ❖ Member of the Scientific Committee, Mar.30-Apr.03, 2008  
(Jury research arbitration), Symposium of Disaster's Management  
and Safety of Buildings in Arab Countries, Riyadh – KSA,
- ❖ Member of the Scientific Committee, Nov. 2-4, 2002  
(Jury research arbitration), Symposium on Urban development on  
desert region and their construction problems, Riyadh - KSA
- ❖ Member of the Scientific Committee, Dec. 9-11, 1991  
(Jury research arbitration), 1<sup>st</sup> National Symposium on Earthquakes,  
Their Impact on Development Plans and their Hazard Mitigation,  
Sana'a -Yemen.

### XV. CONTRIBUTIONS TO THE UNIVERSITIES :

#### 1. Academic:

- a. Leading roles in teaching and curriculum development of in the Departments of  
Engineering, and architecture (current and previous year).
- b. **Member** of curriculum development, 2008- 2009  
Building Science and Technology department, College of  
architecture & planning, UoD, KSA.
- c. **Board** of the Academic Council Sana'a University. 2001-2004
- d. Leading roles in teaching and curriculum development of the  
same French Universities:
  - University of Havre ( Le Havre) 1998 -2004
  - INSA (Lyon) 1996 -1997
  - ENTPE (Lyon) 1991- 1992
- e. Responsible of the Summer Training Program FOE.
- f. **Member** of Senior Project Thesis Committee FOE.
- g. **Member** of Continuing Education Committee FOE.
- h. **Board** Student Affairs. 1986-1989
- i. External Examiner for gradation engendering Project , B.Sc. Degree 1990-1991  
University of Aden, (two times) 1992-1993
- j. **Board** of Postgraduate Studies and Scientific Research 1989-1990
- k. **Board** of the Faculty council FOE
- l. External Examiner for M.Sc. Degree, UMIST, Manchester - UK. Nov. 1997

## 2. University Committee:

1. Member of the upgrade a number of faculty members, to Associate Professor and Professor, in same faculties of engineering - Yemen
2. Member of several professional committees
3. Responsible for processing and preparing the equipment's Specifications for new structural and materials buildings laboratories, formed by the Dean on 2011-2012
4. Member of the college committee for update the website of the college of architecture and planning. 2011- 2012
5. Member of NCAA College of Architecture & Planning program 2008  
Participated in area **4, 6, 7**  
and establishment for Engineering College, University-branch Dammam,
6. Member of the committee of establishment study of Engineering College, University of Dammam.
7. Participated in Competition increasing the capacity of the Tawaf, (2<sup>nd</sup> Proposal), Holy Mosque in Makah, KSA 2009

## **XVI. CONTRIBUTION TO NATIONAL LIFE:**

- ◆ Member of Yemeni Engineering Syndicate, Yemen
- ◆ Member of Universities Staffs Syndicate, Yemen
- ◆ Member of Yemeni Environmental Society, Yemen
- ◆ Member of National Committee for Standardization Metrology & Quality Control Organization, Yemen.

## **XVII. CONTRIBUTION TO INTERNATIONAL LIFE:**

- ◆ Member of ENTPE Engineers - France.
- ◆ Member of Civil Engineering Research Group, Le Havre - France.
- ◆ Member of INSA research group - France
- ◆ Member of NDT Association - France.
- ◆ Member of ICNDT the World Organization for NDT.
- ◆ Member of Saudi Council of Engineers - KSA.
- ◆ Member of ACI - KSA.

Dec. 2014