# HANI MOHAMMED FAHMI

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DOCTOR OF PHILOSOPHY IN CIVIL (STRUCTURAL) ENGINEERING
HEAD OF THE CIVIL ENGINEERING DEPARTMENT, AL – MANSOUR UNIVERSITY COLLEGE.

## EXPERIENCE

**DATES FROM 2011 - TILL NOW**
**HEAD OF THE CIVIL ENGINEERING DEPARTMENT,** AL-MANSOUR UNIVERSITY COLLEGE

**DATES FROM 1994 - 2010**
**PROFESSOR AND HEAD OF THE CIVIL ENGINEERING DEPARTMENT, COLLEGE OF ENGINEERING, AL-NAHRAIN UNIVERSITY**

**DATES FROM 1973-1994**
**LECTURER, ASISTANT PROFESSOR AND PROFESSOR, AND ASSISTANT HEAD OF DEPARTMENT FOR ACADEMIC AFFAIRS, UNIVERSITY OF TECHNOLOGY, BUIDING AND CONSTRUCTION ENGINEERING DEPARTMENT.**

**DATES FROM 1972-1973**
**POST DOCTORATE ASSISTANT SPECIALIST, UNIVERSITY OF CALIFORNIA AT BERKELEY, COLLEGE OF ENGINEERING, CIVIL ENGINEEREING DEPARTRMENT**

**DATES FROM 1963 – 1967**
Working as a civil engineer in various design and construction projects of several government ministries.

## EDUCATION

**DECEMBER 1971**
**PH. D. IN CIVIL (STRUCTURAL) ENGINEERING,** UNIVERSITY OF CALIFORNIA AT BEREKELEY, COLLEGE OF ENGINEERING, DEPARTMENT OF CIVIL ENGINEEREING

THESIS TITLE (TIME-DEPENDENT BEHAVIOR OF CONCRETE UNDER CONSTANT AND CYCLIC TEMPERATURES)

**JUNE 1968**

**M. SC. IN CIVIL (STRUCTURAL) ENGINEERING.,** UNIVERSITY OF CALIFORNIA AT BEREKELEY, COLLEGE OF ENGINEERING, DEPARTMENT OF CIVIL ENGINEEREING

**JULY 1962**

**B. SC. (HONOURS) IN CIVIL ENGINEERING, UNIVERSITY OF MANCHESTER, COLLEGE OF SCIENCE AND TECHNOLOGY, UNITED KINGDOM**

## SKILLS

- Design experience and consulting in design of reinforced concrete buildings
- Teaching undergraduate and postgraduate students in structural engineering at the University of Technology and Al-Nahrain University
- Supervision of M. Sc. and Ph. D. Theses in structural engineering
- Conducting structural engineering research work.

## PUBLICATIONS

- Time-Dependent Behavior of Concrete Under Sustained Load and Cyclic Temperatures, Structures and Materials Research Report No. 72-6, Department of Civil Engineering, University of California, Berkeley, California, April 1972.
- Effect of Sustained and Cyclic Elevated Temperatures on Creep of Concrete, Cement and Concrete Research Journal, Vol.2, September 1972, pp.591-606.
- Prediction of Creep of Concrete at Variable Temperatures, J.
- Effect of Temperature, Humidity and Sustained Load on Properties of Concrete, Al-Muhandis Journal, Serial 67, 1978, pp. 7-17.
- Effects of Shrinkage and Creep on Behaviour of Reinforced Concrete Columns, Al-Muhandis Journal, Serial 76, 1980, pp. 5-12. (In Arabic).
- Effects of Shrinkage and Creep on Behavior of Reinforced Concrete Columns, Proc. International Symposium on Fundamental Research on Creep and Shrinkage of Concrete, Lausanne, Switzerland, 1980, pp.149-159.
- Influence of High Temperatures on Compressive and Tensile Strengths of Concrete, J. Building Research Centre, Scientific Research Council, Vol.5, 1986, pp. 85-102. (In Arabic).
- Time-Dependent Behavior of Reinforced Concrete Columns, Proc. Fourth Scientific Conference, Vol.4, Scientific Research Council, Baghdad, 1986, pp.237-264.
- Reinforced Concrete Design. University of Technology, Baghdad, 1986.
- Time-Dependent Behavior of Reinforced Concrete Columns, Fourth RILEM International Symposium on Creep and Shrinkage of Concrete: Mathematical Modeling, Northwestern University, Evanston, Illinois, 26-29, August1986.

- Change of Axial Deformations with Time in Reinforced Concrete Columns of a Multistory Building, Engineering and Technology, Special Issue, Proceedings of the Second Iraqi Conference on Engineering, Mosul University, 1988, pp. 151- 165. (In Arabic).
- Behavior of Prestressed Concrete Under Fatigue Loads, J. Engineering and Technology, Vol.7, No. 4, 1989, pp.150-174.
- Strength and Behavior of Reinforced Concrete Subjected to High Temperature, J. Engineering and Technology, 1990, pp.81-97.
- Effect of High Temperature Exposure on the Behaviour of Prestressed Concrete Beams, J. Engineering and Technology, Vol.11, No.2, 1992, pp.81-94.
- Torsional Creep of Prestressed Concrete T-Beams, Proceedings of The Jordanian Conference on Civil Engineering, Amman, Jordan, 2-4 June 1992, pp. 545-553.
- Behavior of Reinforced Concrete Columns Subjected to High Temperatures, Proceedings, The Jordanian Conference on Civil Engineering, Amman, Jordan, 2-4 June, 1992, pp. 1090-1075.
- Behavior of Reinforced Concrete After Implementing Temperatures Exposure, Proc., The First International Conference on Implementing Local Materials in Industrial Applications. 1993, pp. 180-189.
- Finite Element Analysis of Thermal Distribution and Structural Behavior of Prestressed Concrete Beams Subjected to High Temperatures, Engineering and Technology Journal, Vol. 12, No. 2, 1993, pp. 21-33.
- Analytical Investigation on the Effect of High Temperatures on Eccentrically Loaded Reinforced Concrete Columns and Comparison with test results, Proceedings, Vol.1, The Fifth Arab Structural Engineering Conference, Tripoli, Lybia, 27-30 November 1993, pp. 375-388.
- Experimental Investigation on the Influence of High Temperatures on the Behavior of Eccentrically Loaded Reinforced Concrete Columns, Proceeding, The First International Conference of Reinforced Concrete Materials in Hot Climates, Alain College of Engineering U.A.E., 24-27, April 1994, pp. 495-509.
- Behavior of Reinforced Concrete Slabs Subjected to High Temperatures, Al-Muhandis Journal, Vol.125, 1996, pp.5-19.
- Influence of High Temperatures on Bond Strength Between Steel Bars and Concrete, Al-Muhandis Journal, Serial 131, September 1997, pp. 48-62.
- Seismic Evaluation of Existing Reinforced Concrete Buildings, Engineering and Technology Journal, Vol.19, No.1, 1999, pp.1-15.
- Time-Dependent Behavior of Reinforced Concrete Slabs by Finite Element Method, Proceedings of The Jordan Second Civil Engineering Conference-Structural Engineering, Amman, Jordan, 16-17, November, 1999, pp. 443-457.
- Material Characteristics for Seismic Analysis of Masonry Construction, Engineering Journal, College of Engineering; Baghdad University, Vol.6, No.2, June 2000, pp. 63-78.
- Non-Linear Seismic Evaluation of Existing Reinforced Concrete Buildings, Proceedings, The First National Civil Engineering Conference, Al-Anbar University, 20-22 February 2001.
- Finite Element Analysis of Confined Reinforced Concrete Columns Using Microplane Model, Proceedings, The First National Civil Engineering Conference, Al-Anbar University, 20-22 February 2001.
- Non-Linear Finite Element Analysis of Fiber Reinforced Concrete, Scientific Journal, College of Engineering, Al-Nahrain University, Baghdad, 2000.
- Creep Behavior of Normal and Superplasticized Concrete Under Variable Temperature and Humidity, Proceedings .of the 6th International Conference in Concrete Technology for Developing Countries, 21-24 October 2002, Amman, Jordan, Vol.1, pp. 345-354.
- Finite Element Analysis of Brick Masonry, Proceedings of the 7th International Conference on Concrete Technology in Developing Countries, University Technology MARA, 5-8 October 2004, Kuala Lumpur, Malaysia.

- Finite Element Analysis of Concrete- Filled Steel Tube Columns, College of Engineering Journal, Al-Nahrain University, 2005.
- Optimum Reinforcement Dimensioning for Plate and Shell Structures, Proceedings of the 2nd International Conference on Applications of Traditional and High Performance Materials, the American University of Sharjah, United Arab Emirates, 2006
- High Temperature Behavior of Concrete-Filled Steel Tube Columns, Proceedings of the 3rd International Conference on: Applications of
- تصرف العتبات الخرسانية المسبقة الاجهاد بعد تعرضها للحرارة العالية، وقائع ندوة ادارة الكوارث وسلامة المباني في الدول العربية، وزارة الشؤون البلدية والقروية، المملكة العربية السعودية 29 اذار- 1 نيسان 2008
- Nonlinear Finite Element Analysis of Prestressed Concrete Members, the First Regional Conference for Engineering Sciences, College of Engineering,
- Reinforcement Design Algorithm for Concrete Shells, the First Regional Conference for Engineering Sciences, College of Engineering Al- Nahrain University, Baghdad. 5-6, November 2008
- Finite Element Analysis of Composite Steel-Concrete beams Subjected to Fire, Al-Nahrain University College of Engineering Journal, V. 15,No. 1, 2012, pp. 1-11
- Behavior of Reactive Powder Concrete Deep Beams, Al-Mansour Journal, Issue 20, 2013, pp. 1-22
- Creep Analysis of Axially Loaded FRP Concrete columns, Al-Mansour Journal, Issue 26, 2016, pp. 1-28
- Behavior of Self-Consolidating Concrete Filled Steel Tube Columns Subjected to High Temperatures, Proceedings of the 15th Special Scientific Conference, April 23 – 24 2016, Al – Mansour University College, pp. 1-18

## AWARDS, THANKS & APPRECIATION, AND PATENTS IF ANY

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- Many Thanks and Appreciation from many Government Universities and Engineering Colleges Deans.
- More than 22 Thanks and Appreciations from the Dean of Al-Mansour University College.