

# Curriculum Vitae



## Yaman Sami Shareef Al-Kamaki PhD, Assistant Professor, Structural Engineering

<b>Personal Information:</b> -	Name: Yaman Sami Shareef Surname: Al-Kamaki Nationality: Iraqi, Kurdish Birth Date: Duhok 18-04-1980 Gender : Male Marital Status: Married
<b>Contact Information:</b> -	Home: Duhok, Kurdistan Region, IRAQ Working: Assistant Professor, Civil Engineering Department, College of Engineering, University of Duhok (UoD) Working: Adjunct Faculty, Assistant Professor, College of Engineering, The American University, Kurdistan (AUK). Mobile: +964 750 473 9502 Mobile: +61 413427161 Email: <a href="mailto:yaman.alkamaki@uod.ac">yaman.alkamaki@uod.ac</a> <a href="mailto:yalkamaki@swin.edu.au">yalkamaki@swin.edu.au</a> <a href="mailto:yaman_civil@yahoo.com">yaman_civil@yahoo.com</a> <a href="mailto:yaman.civil@gmail.com">yaman.civil@gmail.com</a> <a href="mailto:yaman.alkamaki@auk.edu.krd">yaman.alkamaki@auk.edu.krd</a>
<b>Educational Background:</b> -	<ul style="list-style-type: none"><li>• PhD Structural Engineering, Swinburne University of Technology, Melbourne, Australia, 2015.</li><li>• MS.c Structural Engineering, University of Duhok (UoD) Duhok, Kurdistan Region IRAQ, 2008.</li><li>• B.Sc. Civil Engineering, University of Duhok (UoD) Duhok, Kurdistan Region IRAQ, 2003.</li></ul>
<b>Current Post:</b> -	<ul style="list-style-type: none"><li>• Assistant Professor, Civil Engineering Department, College of Engineering, University of Duhok, Kurdistan Region-Iraq.</li><li>• Adjunct Faculty, Assistant Professor, College of Engineering, The American University, Kurdistan (AUK).</li><li>• Sessional Staff, College of Engineering, Soran University, Diana, Kurdistan Region.</li><li>• Director of Research Centre, College of Engineering, UoD</li><li>• Director of Engineering Labs, College of Engineering, UoD</li><li>• International Advisory Board Member, (IconMEAS 2021) Conference.</li><li>• E-Learning (Moodle) Manager, College of Engineering, UoD.</li><li>• Turnitin Instructor, College of Engineering, UoD.</li><li>• Academic Tutor, Swinburne University of Technology &amp; Smart Structures Laboratory, Melbourne, Australia, postponed.</li></ul>
<b>Work Experience:</b> -	<ul style="list-style-type: none"><li>• Head of Quality Assurance, College of Engineering, UoD. 01/2017- 10/2019</li><li>• Member of Main Board of The National Universities Ranking (NUR) in Kurdistan Region at UoD 01/2017- 10/2019</li><li>• Head of Organizing Committee, ICRIE 2020 Conference, College of Engineering, UoD. 10/2019- 12/2020</li><li>• Track Editor, ICRIE 2020 Conference, College of Engineering, UoD. 10/2019- 12/2020</li><li>• General Manger, OCS Platform, ICRIE 2020 Conference, College of Engineering, UoD. 10/2019- 12/2020</li><li>• Smart Structures Laboratory: Position: Test Engineer (Part-time), Digital Image Correlation- Correlated Solutions Vic-3D equipment. Strengthening Concrete Structures. 08/2015- 11/2016<ul style="list-style-type: none"><li>- FRP strengthening of heat damaged RC columns under preload using CFRP fabrics.</li><li>- FRP strengthening of exterior post-tensioned band beam to column connections under earthquake loading.</li><li>- Anchorage systems in large scale post tensioned beams strengthened in shear with carbon fibre.</li><li>- Torsional strengthening RC beams using NSM FRP technique.</li><li>- Performance enhancement of Alkali-Aggregate reaction damaged concrete columns using fibre reinforced polymers composites.</li></ul></li></ul>

- Strengthening RC beams using NSM FRP technique during and after fire exposure.
- Saman Group, Duhok-Kurdistan Region of Iraq: Position: Project Engineer (Part-time): Structural design of footing and buildings. Aligning road infrastructure and drainage design. Conducting field and laboratory experiments. Performing mathematical and statistical analysis. Assisting in the preparation of design reports and monitoring cost. 09/2003- 11/2008

Responsibilities: Prepared and delivered lectures, tutorials sessions and lab sessions to undergraduate students, conducted discussion groups, Prepared, administered and marked exams, tests and papers to evaluate students' progress, organized reference materials, visual aids, laboratory reports and other materials as required by the lectures.

- Swinburne University of Technology, Faculty of Science, Engineering and Technology, Melbourne, Australia  
Position: Lecturer (Part-time) 01/2014- 11/2015  
Teaching commitment: • Structural Mechanics (Strength of Materials)  
Position: Tutor (Part-time) 03/2014- 7/2017  
Teaching commitment: • Structural Mechanics (Strength of Materials)  
Position: Lab Demonstrator (Part-time) 08/2013- 11/2016  
Teaching commitment: • Structural Mechanics (Strength of Materials)  
Position: Lab Demonstrator (Part-time) 08/2013- 11/2013  
Teaching commitment: • Solid Mechanics (Structural Analysis)

- University of Duhok, College of Engineering, Civil Engineering Department, Duhok-Kurdistan Region-Iraq  
Positions: Lecturer (Full -time) 10/2018- present  
Teaching commitment: • Composite Materials (M.Sc course).

Positions: Lecturer (Full -time) 11/2020- present  
Teaching commitment: • Research Methodology (M.Sc course).

Positions: Lecturer (Full -time) 11/2020- present  
Teaching commitment: • Research Methodology (PhD course).

**Teaching Experience: -**

Positions: Lecturer (Full -time) 11/2016- present  
Teaching commitment: • Engineering Mechanics.

Positions: Assistant Lecturer (Full -time) 11/2008- 05/2011  
Teaching commitment: • Mechanics of Materials (Strength of Materials) • Building Materials • Concrete Design • Final year projects.

- The American University, Kurdistan (AUK), College of Engineering, Positions: Assistant Professor (Adjunct Faculty) 01/2021- present  
Teaching commitment: • Building Technology: Materials and Methods.

- Soran University, Diana, Kurdistan Region-Iraq, College of Engineering, Positions: Lecturer (Sessional Staff) 11/2020- present  
Teaching commitment: • Structure and Properties of Composite Materials. (PhD course).

- Duhok Technical Institute, Duhok-Kurdistan Region-Iraq  
Position: Lecturer (Part -time) 10/2017- 10/2018  
Teaching commitment: • Quantity Surveying • Building Construction

- Akre Technical Institute, Akre-Kurdistan Region-Iraq  
Position: Lecturer (Part -time) 12/2016- 10/2020  
Teaching commitment: • Surveying

- Zakho Technical Institute, Zakho-Kurdistan Region-Iraq  
Position: Lecturer (Part -time) 10/2010- 05/2011  
Teaching commitment: • Engineering Surveying

**Training and Courses: -**

- Swinburne University of Technology, Faculty of Science, Engineering and Technology, Melbourne- Australia.  
Topic: iLearn, Swinburne's online learning environment 08/2013 - Present  
Topic: OHS Module 08/2013  
Topic: Turnitin 07/2013  
Topic: Correlated Solutions Vic-3D equipment 10/2012  
Topic: EndNote X5 for Windows 02/2012  
Topic: CFRP Composites to Retrofit Concrete and Steel Structure 11/2011

- Swinburne College, Melbourne-Australia  
Topic: English Language Intensive Courses for Overseas Students (ELICOS). 05/2011- 11/2011  
Topic: e-Learning (Blackboard) 05/2011- 11/2011

	<ul style="list-style-type: none"> <li>University of Duhok, College of Engineering, Kurdistan Region-Iraq. Topic: OCS platform 10/2019 – Present Topic: Turnitin 01/2017– Present Topic: Moodle 01/2017– Present</li> </ul>
	<ul style="list-style-type: none"> <li>Joint Humanitarian Information Center (JHIC), Duhok-Kurdistan Region-Iraq Topic: Computer maintenance 06/2004 Topics: Microsoft Access 07/2004 Topic: Networks 08/2004</li> </ul>
	<ul style="list-style-type: none"> <li>Oxford Research International, Duhok-Kurdistan Region-Iraq Topic: Building and construction 09/2002</li> </ul>
	<ul style="list-style-type: none"> <li>HABITAT organization, Duhok-Iraq Topic: Building and construction 09/2002</li> </ul>
<b>Voluntary Work: -</b>	<ul style="list-style-type: none"> <li>Iraqi Red Crescent Society, Duhok-Kurdistan Region-Iraq Position: Member 09/2009 Responsibilities: My work aims to provide food and first aid to needy people.</li> </ul>
<b>Skills: -</b>	<ul style="list-style-type: none"> <li>Language skills: English, Kurdish, Arabic (Read &amp; Write).</li> <li>Software skills: ATENA-GiD, STTAD Pro, AutoCAD, Q Basic, Fortran Power Station, MS-Project, Microsoft Office and MatLab.</li> <li>Equipment operating Skills: Correlated Solutions Vic-3D equipment. Typical construction laboratory machines</li> </ul>
<b>Societies: -</b>	<ul style="list-style-type: none"> <li>Member of Engineers Australia Technical Journals, membership, since 2011.</li> <li>Member of Kurdistan Engineers Union, since 2004.</li> <li>American Society of Civil Engineers (ASCE), since 2015.</li> <li>Member of Australian Kurdish Community, since 2011.</li> </ul>
<b>Hobbies: -</b>	Reading Scientific Papers, published Magazine, Internet Serving, Music and Swimming.
<b>Visited: -</b>	Australia, Canada, Germany, Czech Republic and Turkey

#### Thesis:

- Al-Kamaki Y. S. S. 2015. Strengthening of fire-damaged RC columns using CFRP fabrics. PhD. thesis, Swinburne University of Technology, Melbourne, Australia.
- Shareef Y., S., Flexural Behavior of Axially Restrained Ferrocement One-Way Slabs, M.Sc. thesis, University of Duhok, 2008.

#### Journals:

- Al-Kamaki Y. 2021. Ultimate strain models derived using a Digital Image Correlation (DIC) system for preloaded RC columns subjected to heating and cooling and confined with CFRP sheets. Journal of Building Engineering 41 (2021): 102306.
- Qaidi S. and Al-Kamaki Y. 2020. State-of-the-Art Review: Concrete Made of Recycled Waste PET as Fine Aggregate. Journal of Duhok University, Volume 23, Issue 2, Pages 412-429.
- Yaseen A., Ahmed M., and Al-Kamaki Y. 2020. The Possibility of Using Jerk Parameters as Seismic Intensity Measure. Journal of Duhok University, Volume 23, Issue 2, Pages 254-277.
- Ahmed M., Yaseen A., and Al-Kamaki Y. 2020. Experimental Determination of Static and Dynamic Elastic Moduli of RC Slabs. Journal of Duhok University, Volume 23, Issue 2, Pages 535-545.
- Al-Kamaki Y., Jafar R., Hassan G. and Alsaad A. 2020. A Comparative Study of Real Full Scale Ground Rectangular Water Tank in Duhok City. Journal of Duhok University, Volume 23, Issue 2, Pages 157-172.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2020. Experimental and numerical study on wrapping concrete cylinders post heating and cooling under preload using CFRP fabrics. Structures Journal, Volume 23, Pages 425-436.
- Al-Kamaki Y., Hassan G., and Alsofi G. 2018. Experimental study of the behaviour of RC corbels strengthened with CFRP sheets. Case Studies in Construction Materials Journal, Volume 9, December 2018, Article e00181.

- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2017. An experimental investigation of the behavior of heat-damaged RC columns confined with CFRP fabrics using photogrammetry. *Materials and Structures Journal*, Volume 50, Pages 43.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2017. Strain Efficiency of Carbon Fibre Reinforced Polymer-Confined RC Columns. *Journal of University of Duhok (JDU): Special Issue of the 2nd International Conference of the College of Engineering-University of Duhok: Recent Innovations in Engineering (ICRIE)*, Volume 20, No. 1.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2015. Experimental and numerical study of the behavior of heat-damaged RC circular columns confined with CFRP fabric. *Composite Structures Journal*, Volume 133, Pages 679-690.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2015. Strength model for heat-damaged RC circular columns confined with CFRP fabrics. *Journal of Reinforced Plastics and Composites*, Volume 34, Pages 1833-1855.
- Al-Kamaki Y., Al-Mahaidi R., and Mohammed A. 2014. Behaviour of concrete damaged by high temperature exposure and confined with CFRP fabrics. *International Journal of Civil Engineering and Technology (IJCIET)*, Volume 5, Issue 8, Pages 148-162.
- Mohammed A. K., and Shareef Y. S. 2013. Flexural analysis of axially restrained thin Ferrocement slab strips. *International Journal of Engineering Science and Innovative Technology (IJESIT)*, Volume 2, Issue 6, Pages 115-128.
- Mohammed A. K., and Shareef Y. S. 2011. Tests on axially restrained Ferrocement slab strips. *J. Duhok Univ. Vol. 14, No.1 (Pure and Eng. Sciences)*.

#### **Conferences:**

- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2017. Strength Enhancement of Fire-damaged RC Circular Bridge Columns using CFRP Fabrics. *Austrroads Bridge Conference 2017, Albert Park, Australia, 3-6 April, 2017*.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2015. Behavior of concrete after exposure to elevated temperatures. In: *Proceedings of the 27th Biennial National Conference of the Concrete Institute of Australia in conjunction with the 69th RILEM Week conference, 30 August 2015-2 September 2015, Melbourne, Australia*.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2014. The use of image correlation photogrammetry in investigating the performance of fire damaged circular RC columns strengthened with CFRP. In: *Proceedings of the 23rd Australasian Conference on the Mechanics of Structures and Materials (ACMSM23), 19-12 December 2014, Byron Bay, Australia, Pages 1141-1148*.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2014. Confinement of heat-damaged RC circular columns using CFRP fabrics. In: *Proceedings of the 23rd Australasian Conference on the Mechanics of Structures and Materials (ACMSM23), 19-12 December 2014, Byron Bay, Australia, Pages 477-482*.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2014. Effectiveness of CFRP strengthening of fire-damaged concrete. In: *Proceedings of the 7th International Conference on FRP Composites in Civil Engineering (CICE 2014), 20-22 August 2014, Vancouver, Canada, Paper no. 356*.
- Al-Kamaki Y., Al-Mahaidi R., and Bennetts I. 2014. Strengthening of fire-damaged bridge columns using CFRP fabrics. In: *Proceedings of the 7th International Conference on Bridge Maintenance, Safety and Management (IABMAS 2014), 7-11 July 2014, Shanghai, China, Pages 855-862*.
- Al-Kamaki Y., and Al-Mahaidi R. 2013. Compressive strength of concrete damaged by elevated temperature and confined by CFRP fabrics. In: *Proceedings of the fourth Asia-Pacific Conference on FRP in Structures (APFIS 2013), 11-13 December 2013, Melbourne, Australia, Paper no. 77*.

#### **Posters:**

- Al-Kamaki Y., and Al-Mahaidi R. 2012. Strengthening of fire damaged RC columns using CFRP fabrics. *PG Research Conference, 16 November 2012, Swinburne University of Technology, Melbourne, Australia. Abstract and poster presentation. Poster presentation awarded "Honorary Mention for Poster Presentation"*.
-

**Referees: -**

**Professor Riadh Al-Mahaidi** | PhD, FIEAUST, FIIFC, FACI  
Academic Vice President (Research Engagement, ME)  
Professor of Structural Engineering  
Director, Smart Structures Laboratory | Faculty of Science Engineering & Technology  
Swinburne University of Technology (CRICOS Provider 00111D)  
Mail H38, PO Box 218 | Hawthorn VIC 3122 | Australia  
Phone: +61 (03) 92148429 | M: +61 (0) 421 910 593/ Room: AMDC813a | E:  
ralmahaidi@swin.edu.au  
<http://www.swinburne.edu.au/science-engineering-technology/staff-profiles/view.php?who=ralmahaidi>  
Associate Editor, ASCE Journal of Composites for Construction  
Adjunct Professor of Civil Engineering, Monash University  
Higher Education Advisor to UNESCO

**A/Prof. (Tracy) Dong Ruan**

Dept of Mechanical and Product Design Engineering  
Faculty of Science, Engineering and Technology  
Swinburne University of Technology  
John Street, Hawthorn  
VIC. 3122, Australia  
Email: druan@swin.edu.au | Ph +61 3 9214 8258 | Fax +61 3 9214 8264  
CRICOS Provider 00111D

**Professor Ian Bennett**

Adjunct Professor of Structural Engineering, Faculty of Science, Engineering and Technology  
Swinburne University of Technology  
John Street, Hawthorn  
VIC. 3122, Australia  
Email: IDBennetts@outlook.com | M: +61 (0) 448 181 472  
CRICOS Provider 00111D

