IKRIMA A. M. AMAIREH
عكرمة عمايرة

Department of Architecture and Interior Architecture
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Personal Information

Full Name:	**Ikrima Abdel-Karim Mohammad Amaireh**
Nationality:	**Jordanian**
Date of Birth:	**April, 26th 1985**
Marital Status:	**Married**

Education

Doctor of Philosophy (Ph.D.)

Field of Study	**Building Technology (Architectural Engineering).**
Thesis Title	**Numerical investigation into a double skin façade system integrated with shading devices, with reference to the city of Amman, Jordan.**
University (Institution)	**Department of Architecture and Built Environment, Faculty of Engineering, The University of Nottingham, United Kingdom.**
Year of Graduation	**2017**

Master of Science (MSc.)

Field of Study	**Sustainable Building Technology (Architectural Engineering)**
Dissertation Title	**Improving the Performance of PV Integrated Shading Devices (PVSD) for Glazed Facades of Commercial Buildings in Jordan: Investigation and Design.**
Grade	**Distinction.**
University (Institution)	**Department of Architecture and Built Environment, Faculty of Engineering, The University of Nottingham, United Kingdom.**
Year of Graduation	**2012**

Bachelor's Degree (BSc.)

Field of Study	**Architectural Engineering.**
Grade	**Very Good (Ranked 1st among all undergraduate students, class 2008).**
University (Institution)	**Department of Architectural Engineering, Institute of Architecture and Islamic Arts (Faculty of Engineering, Now), Al Al-Bayt University, Jordan.**
Year of Graduation	**2008**

Publications

Type	***Publication***
Conference	**Amaireh, I.**, Gan, G., Omer, S. and Zeinelabdein, R., 2017, **Feasibility of double-skin façades for multi-storeys office buildings in Amman/Jordan: an insight into thermal performance for both summer and winter peak conditions**, 16th International Conference on Sustainable Energy Technologies (**SET2017**), 17-20 July, Bologna, Italy.
Conference	Zeinelabdein, R., Omer, S., Mohamed, E., **Amaireh, I.** and Gan, G., 2017, **Free Cooling Based Phase Change Material For Domestic Buildings In Hot Arid Climate**, 16th International Conference on Sustainable Energy Technologies (**SET 2017**), 17-20 July, Bologna, Italy.
Thesis	**Amaireh, I.**, 2017, **Numerical Investigation Into A Double Skin Façade System Integrated With Shading Devices, With Reference To The City of Amman, Jordan**, PhD Thesis, University of Nottingham.
Dissertation	**Amaireh, I.**, 2012, **Improving the Performance of PV Integrated Shading Devices (PVSD) for Glazed Facades of Commercial Buildings in Jordan: Investigation and Design,** MSc Dissertation, University of Nottingham.

Examined MSc Dissertations

Student	Degree / Year	Title	Supervisor(s)	Faculty
Hadeel Najjaar	Master's Degrees of Environmental and Renewable Energy Engineering. Fall 2017/2018	Development of An Active Energy-Efficient System for Net-Zero Energy Residential Buildings in Jordan	Dr Louy Qoaider	School of Natural Resources Engineering and Management.
Dima Abu Nemah,	Master's Degrees of Environmental and Renewable Energy Engineering. Fall 2017/2018	Development of Passive Design for Near Zero Energy Residential Buildings in Jordan	Dr Louy Qoaider	School of Natural Resources Engineering and Management.
Yara Zaytoun	Master's Degrees of Environmental and Renewable Energy Engineering. Spring 2017/2018	Experimental Investigation of Prefabricated Energy Plus Building Performance Designed For Remote Area in Jordan	Dr Ammar Alkhalidi	School of Natural Resources Engineering and Management.
Sara Abu Gharbieh	Master of science in Spatial Planning. Spring 2018/2019	Analyzing the Spatial Distribution of Private University in Jordan Using a Gravity Model: Amman as a Case Study	Dr Raed AlTal Prof Dr Imad AlHashemi	School of Architecture and Built Environment.
Rama Almulqi	Master of science in Spatial Planning. Spring 2018/2019	Revitalizing Open Public Spaces Using Space Syntax: Ras Al Ain Area as a Case Study, Amman, Jordan.	Prof Dr Imad AlHashemi	School of Architecture and Built Environment.

Languages

Language	***Proficiency level***
Arabic	**5/5**
English	**4/5**

Taught Courses

Degree / Level	*Courses*	
Bachelor	**ARCH131**	**Technical Graphic A**
Bachelor	**ARCH132**	**Technical Graphics B**
Bachelor	**ARC111**	**Fundamentals of Design I**
Bachelor	**ARC112**	**Fundamentals of Design II**
Bachelor	**ARCH362**	**Utility Planning and Design II**
Bachelor	**ARCH421**	**Excursion: International Architecture**
Bachelor	**ARCH425**	**Regional and Vernacular Architecture**
Bachelor	**ARCH458**	**Specifications and Quantity Surveying**
Bachelor	**ARCH591**	**Graduation Project I**
Bachelor	**ARCH592**	**Graduation Project II**

Research Interests / Computer Skills

Nature of Interest	*Area of Interest*	*Note*
Research, Teaching	**Architectural Engineering**	**Science**
	Built Environment	**Science**
	Green Building	**Science**
	Building Technology	**Science**
	Sustainability	**Science**
	Environmental Modelling and Assessment	**Science**
	Ventilation Design	**Science**
	Ecotect	**Software / Tool**

	SketchUp	**Software / Tool**
	AutoCAD	**Software / Tool**
	Microsoft Office	**Software / Tool**
Research	**Smart Façades**	**Science**
	Intelligent Architecture	**Science**
	Finite Volume Methods (FVM)	**Science**
	Heat and Mass Transfer	**Science**
Research, Development	**Construction Methods & Materials**	**Science**
	Energy Efficiency and Conservations	**Science**
	Radiance	**Software / Tool**
	Remote Desktop	**Software / Tool**
	High Performance Computing (HPC)	**Software / Tool**
Research, Development, Teaching	**Computer-Aided Design (CAD)**	**Science**
	Computational Fluid Dynamics (CFD)	**Science**
	Fluent (ANSYS)	**Software / Tool**
	TAS (Thermal Analysis Simulation)	**Software / Tool**
	EnergyPlus (Energy+)	**Software / Tool**
	Desktop Radiance	**Software / Tool**