



Amal Almalkawi

A R C H I T E C T

CONTACT

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EDUCATION

- Ph.D. Degree** **Architecture and Design Research**
Virginia Tech, US.
Second-year student (2022)
- Master Degree** **Architectural Engineering** (NAAB Accredited), Jordan University of Science and Technology (JUST), 2011.
(The highest-ranked university)
- Bachelor Degree** **Architectural Engineering** (NAAB Accredited), Jordan University of Science and Technology (JUST), 2007.
(The highest-ranked university)

SKILLS

SOFTWARE

AUTOCAD
REVIT
PHOTOSHOP
ILLUSTRATOR
AFTER EFFECT
3D Max
DEROB-LTH
ECOTECT
TWINMOTION
RHINO
DESIGN BUILDER
MICROSOFT OFF.
GREEN BUILDING STUDIO
BEOPT

EXPERIENCES

- 1/2024 – now **Graduate Teaching Assistantship** (GTA) in the Architecture and Design School, Virginia Tech, US.
- 1/2023 - 8/2023 **Graduate Research Assistantship** (GRA) in the Myers-Lawson School of Construction (MLSoC), Virginia Tech, US.
- 2012 - 2023 **Full-time Lecturer**
Department of Architecture and Design
Jordan University of Science and Technology (JUST)
- 2011-2012 **Full-time Lecturer**
Department of Architectural Engineering
Hashemite University
- 10/2008-10/2011 **Teaching Assistant (TA)**
Department of Architecture
Philadelphia University, Jordan.
- 3/2007-3/2008 **Architect**
Private sector

SPECIALTY AREAS

Sustainability / Passive Design/ Indoor Environmental Quality/ Building Materials /
Nanotechnology / Computational and Environmental Design/ Virtual Reality/ Building Science
and Technology .

HONORS & AWARDS

Top 10 % of the Virginia Tech Ph.D. students / Member /2023-2024 / Honor Society of Phi Kappa Phi /VIRGINIA TECH/ US

Research Grant Award/ Winner /2022-2023/ AAD Student Initiated Research Grant Award/VIRGINIA TECH/ US.

Initiative / Graduation Supervisor / 2018 / King Abdullah II Fund for development.

Competition / Graduation Supervisor / 2017 / Jordan Engineers Association Competition for Graduation Projects/ Honor Prize.

Initiative / Graduation Supervisor / 2017 / King Abdullah II Fund for development.

Competition /Graduation Supervisor/ 2014/ Isustain Award/ First Prize Award.

Initiative / Graduation Supervisor / 2014 / SENERGY The "FIRST YOUTH_ LED SUSTAINABILITY ORGANIZATION IN JORDAN" for energy partnered with JES, the largest environmental NGO in Jordan, supported by the European Union.

Initiative / Graduation Supervisor / 2014 / King Abdullah II Fund for development.

Competition / Graduation Supervisor / 2014 / Jordan Engineers Association Competition for Graduation Projects /Honor Prize.

PUBLICATIONS & CONFERENCES

Conference / Author/ 2023 / Summer Research Symposium, July 27, Virginia Tech, US.

Publications / Author/ 2021 / Obeidat, O & Al Malkawi, Amal, CFD Analysis of an Innovative Wind Tower Design with Wind-Inducing Natural Ventilation Technique for Arid Climatic Conditions, Jordan, Journal of Ecological Engineering, volume 22(2), 86–97.

Publications / Author/ 2019 / Alzoubi, Hussain H & Al Malkawi, Amal T, A Comparative Study for the Traditional and Modern Houses in Terms of Thermal Comfort and Energy Consumption in Umm Qais City, Jordan, Journal of Ecological Engineering, volume 20, 14-22.

Publications / Author / 2014 / Alzoubi, Hussain H & Al Malkawi, Amal T, The Optimal Utilization of Solar Energy in Residential Buildings in light of the Jordanian Building Regulations, Sustainable Cities and Society 14, 441_44

Publications / Author / 2011/ investigating the effect of building orientation on thermal comfort and energy consumption in educational buildings/ Global Conference for Renewable and Energy Efficiency in Desert Regions, 26 -28 April, Amman, Jordan

Conference / Author/ 2018 / Global Conference for Renewable and Energy Efficiency in Desert Regions, 3-5 April, Amman, Jordan

Conference / Author/ 2013 / Global Conference for Renewable and Energy Efficiency in Desert Regions, 10–12 September, Amman, Jordan

Conference / Author/ 2011 / Global Conference for Renewable and Energy Efficiency in Desert Regions, 26 -28 April, Amman, Jordan



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TEACHING EXPERIENCES

	Course	Frequency
1	Basic Design Studio	17
2	Architectural Design Studio	20
3	Computer Aided Design (CAD)	15
4	Graduation Project (1) Graduation Project (2)	7
5	Building Construction (2) _ Structural Systems	10
6	Environmental Control (I)– Humidity and Temperature	5
7	Urban Design Studio	2
8	Building Design and Energy Consumptions	3
9	Architectural Drafting	6

Events Organizing

Exhibition / Organizer / 2017 / Grad Exhibition at Jordan University of Science and Technology

Job Fair / Organizer / 2016 / Job Fair 2016 at Jordan University of Science and Technology

Exhibition / Organizer / 2011 / The Fourth Architectural Exhibition at Hashemite University

TRAININGS

Engineering Training in JUST for two months.

Orientation workshop at Hashemite University.

Orientation workshop at JUST.

E- Learning workshop at JUST.