

Algerian American Foundation for Culture, Education, Science and Technology (AAF)

e-AAF Summer University 2020 - "Civil Engineering & Architecture" Topic
18 July to 29 August 2020

Pr. Amina ABDESSEMED-FOUFA	<i>DZ</i>	<ul style="list-style-type: none"> ▪ Architect as a structuralist - What does it entail? <i>(Architecture & Urban Planning)</i> ▪ Pre-disaster planning <i>(Architecture & Urban Planning)</i>
Pr. Abdeldjelil BELARBI	<i>USA</i>	<ul style="list-style-type: none"> ▪ Innovative Technologies for Structural Strengthening and Retrofitting of Existing Structures <i>(Civil Engineering)</i> (in collaboration with Dr Bouadi) ▪ Assessment and Repair of Existing Structures Using FRP Technologies <i>(Civil Engineering)</i> (in collaboration with A. Brancaccio)
Dr. Hakim BOUADI	<i>USA</i>	<ul style="list-style-type: none"> ▪ Evaluation and Retrofit of Concrete Structures - Part I <i>(Civil Engineering)</i> ▪ Evaluation and Retrofit of Concrete Structures - Part II <i>(Civil Engineering)</i>
Pr. Mohamed BOUBEKRI	<i>USA</i>	<ul style="list-style-type: none"> ▪ Daylighting, Architecture, and Health <i>(Architecture & Urban Planning)</i> ▪ Daylighting Systems and Strategies <i>(Architecture & Urban Planning)</i> ▪ Applying for a Ph.D. in the U.S.: What you need to prepare to be successful <i>(Architecture & Urban Planning)</i>
Pr. Nouredine BOURAHLA	<i>DZ</i>	<ul style="list-style-type: none"> ▪ Dynamic Testing Techniques - Use of AVT in Structural Assessment of Existing Buildings <i>(Civil Engineering)</i> ▪ Artificial intelligence and machine learning applications in structural engineering: case of automatic structural design within BIM environment <i>(Civil Engineering)</i>
Antonio BRANCACCIO	<i>IT</i>	<ul style="list-style-type: none"> ▪ Condition Assessment of Structures – Case Studies in Strengthening Historic Structures <i>(Civil Engineering / Architecture & Urban Planning)</i>
Pr. Amar CHAKER (Chair)	<i>USA</i>	<ul style="list-style-type: none"> ▪ Emerging Concepts for the Seismic Design of New Buildings <i>(Civil Engineering)</i> ▪ Emerging Concepts for the Seismic Evaluation and Retrofit of Existing Buildings <i>(Civil Engineering)</i> ▪ Nonlinear Pushover Analysis <i>(Civil Engineering)</i> ▪ Software for Rapid Prototyping <i>(Civil Engineering)</i> ▪ Basic Ethics Rules <i>(Civil Engineering / Architecture & Urban Planning)</i> ▪ Useful Sites and Resources <i>(Civil Engineering / Architecture & Urban Planning)</i> ▪ Objective Resilience of Infrastructure Systems <i>(Civil Engineering / Architecture & Urban Planning)</i>

Dr. Tarik HADJ-HAMOU	<i>USA</i>	<ul style="list-style-type: none"> ▪ Geotechnical Earthquake Engineering - Part I ▪ Geotechnical Earthquake Engineering - Part II 	<p><i>(Civil Engineering)</i></p> <p><i>(Civil Engineering)</i></p>
Dr. Omar KHEMICI	<i>USA</i>	<ul style="list-style-type: none"> ▪ Catastrophe Risk Modeling ▪ Catastrophe Risk Modeling – Case Studies 	<p><i>(Civil Engineering / Architecture & Urban Planning)</i></p> <p><i>(Civil Engineering / Architecture & Urban Planning)</i></p>
Pr. Amar KHENNANE	<i>AU</i>	<ul style="list-style-type: none"> ▪ Non-linear Finite Element Analysis - Part I ▪ Non-linear Finite Element Analysis - Part II 	<p><i>(Civil Engineering)</i></p> <p><i>(Civil Engineering)</i></p>
Pr. Ahmed MANSOURI	<i>DZ</i>	<ul style="list-style-type: none"> ▪ Multi-Agent modeling and Artificial societies in Architectural and Urban Planning studies ▪ Space simulation and evaluation in Architectural and Urban Planning contexts 	<p><i>(Architecture & Urban Planning)</i></p> <p><i>(Architecture & Urban Planning)</i></p>
Leïla YAZID-HAMROUN	<i>USA</i>	<ul style="list-style-type: none"> ▪ Assessing Existing Structures - A Distinct Approach ▪ Urban Planning Resilience ▪ Virtual reality - design and communication tool ▪ Design in post Covid 19 - What is a healthy building? 	<p><i>(Architecture & Urban Planning)</i></p> <p><i>(Architecture & Urban Planning)</i></p> <p><i>(Architecture & Urban Planning)</i></p> <p><i>(Architecture & Urban Planning)</i></p>