



PROGRAM

(Algerian Time)

**International Workshop: Artificial Intelligence and
Architectural Modeling**

APRIL 29 AND 30, 2024

THE HONORARY PRESIDENT: PR DIBI ZOHIR

CHAired BY AMEL BENZAOUTI

SUPPORTED BY THE HOUSE OF ARTIFICIAL INTELLIGENCE UNDER THE DIRECTION OF

Dr SOFIANE ZAIDI

Day 1: Conferences and Demonstrations:

Conference room, second floor, University Tower. 9:00 – 16:30

Welcome speech: 09h00

- Professor Dibi Zohir, Rector of the University of Larbi Ben Mhidi Oum El Bouaghi
- Dr. Maanser Abdelkrim. Dean of the Faculty of Earth Sciences and Architecture
- Pr Mazouz Said, Director of LEQUAREB laboratory
- Dr. Sofiane Zaidi, Director of the Home of Artificial Intelligence.

Opening Session: Hybrid session, 10h30 – 12h00, Moderated by Dr. Rafik Boudjadja (President) with Dr. Sofiane Zaidi as (rapporteur).

10h30: ONLINE

- Basics and Applications of AI in Architecture by Rasha Shrourou (UK) : Online
- Midjourney for Architects, A demonstration by Yasmine Dechouk (Dubai): Online

11H30: Dr. Atef Ahriz, Tebessa Un: From CAD to Chat: Visionary perspectives on AI's Transformative potential in Architecture.

- Discussion

12h00: LUNCH break

SESSION 2: 13h00- 14h30, Moderated by Pr Mazouz Said as (President) with Dr. Karima Benhalilou as (rapporteur).

- **13H00:** Amokrane Redouane, OEB University Using artificial intelligence to push the limits of architectural visualization: D5 Render, an AI pioneer.
- **13h15:** Dr. Rafik Boudjadja, OEB University, AI for Architecture: Climate Data for Adequate Designs.
- **13h30:** Dr. Soumia Zertal, OEB University, AI in Architecture and Urbanism: Advantages and Limitations.
- **13H45:** Dr. Toufik Marir, OEB University, Multi-Agent Systems in Architecture and Urbanism".
- **14h00:** Dr. Sofiane Zaidi, OEB University, Applications of AI in Smart Cities.

Discussion

PARALLEL SESSION: Moderated by Dr. Toufik Mazouz (President) with Chkiel Abdelhafidh as (rapporteur).

- **13h00:** Dr Ahmed Mansouri . Dr K. Fortas, Batna University, Generative AI, Creativity and Architecture.
- **13h15:** Dr Zahia Maghnous, Constantine University, Uses and effects of artificial intelligence in teaching-learning, The case of architectural studies

- **13h30:** Dr Sofiene Fezzai, Tebessa University, Artificial intelligence in urban analysis.
- **13h45:** Dr Amina Naidja, OEB University, Biomimicry and Parametric Building Modeling.
- **14h00:** Dr. Islem Boukhelkhal, Constantine University, Optimization of architectural morphology using intelligent parametric simulation.

Discussion

PANEL SESSION:

"Mapping the Path: Prospective Trajectories for AI Integration in Algerian Education, Learning, and Real-world Implementations"

14h30: Hybrid session Starting with a presentation of Dr Samer Sayary on Ai and Architecture followed by a discussion panel animated by Amel Benzaoui and Dr Rafik Boudjadja:

Honored guest: Pr Ladjel Bellatrache: Full Professor at the ISAE-ENSMA Engineer School, Poitiers, France.

- Dr Samer Sayary
- Pr Mazouz Said
- Dr Zaidi Sofiane
- Mme Yasmine Dechouk
- Dr Marir Toufik
- Dr Zertal Soumia
- Dr Mansouri Ahmed

16h30: Closure of the day and summary of presentations By Amel Benzaoui

DAY 2: Parallel Training Sessions, 9:00 – 16:30

Collective Session: Dr. Nour El Houda Dehimi, OEB Univ, "Principles of Artificial Intelligence".

Training sessions:

- G1: AI Applications: Animated by Dr. Nour El Houda Dehimi (OEB University).
- G2: Revit Architecture Level 2: Led by Khireddine Zeraimi (Algiers), assisted by Dr. Amina Naidja and Khaled Zaouia (OEB University).
- G3: ENSCAPE Training: Led by Dr. Rafik Boudjadja (OEB University).
- G4 : Sketchup Modeling Level 1 for Interior Design Students: Animated by Amel Benzaoui, assisted by Dr. Farid Dallel and Ines Soltani (OEB University).
- G5: SketchUp Level 2 (Plugins and Parametric Design): Animated by Tarek Benahmed (Blida).

Wrap-Up and Feedback Session: 16h00 – 16h30

- Review of the day's learning and projects
- Collecting feedback for future workshops
- Closing remarks and certificate distribution