

المملكة المغربية
وزارة الشباب
والثقافة والتواصل
Royaume du Maroc
Ministère de la Jeunesse, de la Culture et de la Communication



جامعة مولاي إسماعيل
UNIVERSITÉ MOULAY ISMAÏL



كلية العلوم والتقنيات
FACULTÉ DES SCIENCES ET TECHNIQUES

The International Meeting on Mediterranean Architectural Heritage (RIPAM10)

Under the theme :

Valorisation and preservation of architectural heritage from natural risks

General program





INTERNATIONAL MEETING ON
MEDITERRANEAN ARCHITECTURAL HERITAGE
RIPAM10 NOVEMBER 2-4, 2023
FST Errachidia, Moulay Ismail University

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Thursday November 2nd	
FST Errachidia	
08:00-09:30	Welcome & Registration
09:30-10:30	Opening ceremony
10:30-11:00	Welcome reception
Chairperson : Pr. IBNOUSSINA Mounisif - Pr. ALEGRIA José Alberto	
11:00-11:40	Plenary lecture 1 Limam Ali: "Matériaux terre et constructions en terre : Passé, présent et perspectives"
11:40-12:00	Coffee break
12:00-12:40	Plenary lecture 2 Boussalh Mohamed: "Les architectures de terre des vallées présahariennes du Maroc : Bilan, résultats et perspectives."
12:40-13:40	Oral communications : Session 1
Dr. FRATINI Fabio	
	KHRISSI Youssef Experimental study of the reinforcement of unstabilized and stabilized local clay materials with date palm fibers
	BOUCHAHMA Anouar L'enduit traditionnel de chaux : un bilan
	AKRAM Laila Fire induced microstructural changes in local building materials: cases of white marble and limestone
	MASROUR Ilham Investigating the Influence of Natural Pozzolan and Wood Shavings on the Mechanical Properties of Rammed Earth in traditional building
	BOUHIYADI Samir Modeling Heat and Mass Transfer in Walls of Buildings Constructed with Compressed Earth Blocks
	ABOUBAKAR Moustapha Studing of the slag addition and sintering temperature for the technological and mechanical properties of dolomite based porous ceramics
	DERUTO Viviana Wood heritage in the mediterranean construction between tradition and innovation for health and energy saver. The MaVE-Material Value Exposure research
13:40-14:40	Lunch
Chairperson : Pr. HADDAD Mustapha - Pr. GONZALEZ Filipe	
14:40-15:20	Plenary lecture 3 Laaroussi Najma: "Réalisation d'une base de données des propriétés thermophysiques utiles des principaux matériaux de construction locaux."
15:20-16:00	Plenary lecture 4 Moriset Sébastien: "Conservation du patrimoine et construction contemporaine : quels outils pour revenir à des circuits courts ? Conservation des architectures de terre en contexte archéologique"
16:00-16:30	Oral communications : Session 2
16:00-16:30	Pr. LIMAM Ali
	HAJAQOI Mohamed Restauration architecturale Au-delà de l'incompatibilité physico-chimique des matériaux Problèmes des couleurs et d'esthétique
	PITTALUGA Daniela Sauvegarde et restauration du patrimoine architectural Palais Fieschi Gènes Sestri Ponente). Consolidation structurale de la voute du salon et restauration structurale des elements muraux dans le cadre de la
	MOCERINO Consiglia Innovation and resilience in the redevelopment, restoration and digitalisation strategies of architectural heritage
16:30-16:40	Coffee break & Poster session
16:40-18:00	Oral communications : Session 3
Dr. PANCANI Giovanni	
	SOUILEH Ayoub Assessing the impact of shale from the Settat Khouribga area on concrete properties
	LECHHEB Mahdi Characterization of the physical and thermal properties of raw earth bricks from Ksar Ait Benhaddou
	EL GHOMARI Azzeddine Experimental Analysis on Mechanical and Thermal Properties of Wall Mortar Comprising Clay and Reed Fibers from Drâa-Tafilalet Region
	FRATINI Fabio Characterisation of the materials and construction techniques of Sahrjij Labguar: a thousand-year-old abandoned hydraulic structure (Marrakech, Morocco)
	CHAR Mohamed Experimental characterization of the thermal and mechanical properties of earth bricks stabilized by alkaline solution and reinforced with renewable palm fibers: a comparative study
	OULIDA Nouhaila Ancient wall mortars from the mosque of Sijilmassa (Morocco): Raman and ATR-FTIR characterization
	ARKAME Youssef Physical-chemical and technological characterization of porous ceramics prepared from Moroccan clayey materials
	OUALAL Hassan Étude comparative de l'élimination des effluents liquides par adsorption et par filtration sur membranes à base d'argiles locales
Friday November 3rd, Delivery of certificates	
FST Errachidia	
Chairperson : Pr. NOUNAH Abderrahman - Pr. PITTALUGA Daniella	

09:00-09:40	Plenary lecture 1: Plenary lecture 4 Simou Sana : “Guidelines and Standards for Earth Construction”	
09:40-10:20	Plenary lecture 2 Luís Mateus: “Documentation of Architectural Heritage with Photogrammetry and Laser scanning. Principles and some examples in Portugal”	
10:20-10:40	Coffee break	
10:40-13:00	Oral communications : Session 4	
	Pr. BABA Khadija - Pr. EL RHAFFARI Younes	
	NAKKOUC Samia	THE ROLE OF LOCAL POPULATION IN SAFEGARDING HERITAGE : CASE OF CHEFCHAOUEN
	KOURDOU Ibtissam	Preservation of modern cultural heritage in modern cities – case study of Rabat in Morocco
	FREDIANI Pierpaolo	The rehabilitation of the architectural heritage in the Marinella aricultural park
	OBLAK Polona	Préservation du patrimoine local et architectural dans la région de l’Istrie slovène contre les inondations côtières
	EL MALHI Sana	The architectural authenticity of the Tafilalet region: preservation of traditional construction techniques and valorization of local materials
	IMGIRNE Ayoub	Characterization and Potential Applications of Moroccan Lizardite Clay in Ceramics: Technological Evaluation
	KIDARI Rachid	Investigation of the thermomechanical characteristics of compressed earth bricks reinforced with cement and corn straw
	EL HARROUNI Khalid	Traditional earth architecture as a tool for sustainability and adaptation to climate change of heat and cold extremes
	AMMARI Abdelmalek	Thermal, Chemical and Mineralogical properties of soil building blocks for eco-habitat sustainable
	AQELMOUN Nissrine	Physico-chemical and mechanical characteristics of traditional Marrakech lime
	EL HARROUNI Rime	The transition of Moroccan Riads and Dars into new Socio-Cultural and Sustainable Context
	EL MANSOURI Charaf Eddine	Mechanical and thermal characterization of local building materials stabilized by gum arabic in the region from the Drâa-Tafilalet region (southeast Morocco).
13:00-14:30	Lunch	
	Pr. BOUSSALH Mohamed - Pr. EL HARROUNI Khalid	
14:30-15:10	Plenary lecture 3 Razzouk Yassine : “Seismic Resilience in Traditional Construction: Reviewing Construction Guidelines and Strategies for Seismic-Resistant Traditional Structures”	
15:10-16:30	Oral communications : Session 5	
	Pr. EL AMRAOUI Mohamed - Pr. OBLAK Polona	
	LICO Alessia	Seismic Vulnerability Assessment of a building aggregate in the historical centre of Florence
	GONZALEZ Filipe	Stratégies d’auto(re)construction dans un scénario post-catastrophe
	MANSOUR Majid	Matériaux locaux et risque sismique
	ERAZA Najoua	Optimization of the building constructed of Confined Stone Walls according to the Moroccan zoning
	KHLIFATI Oumaima	Advancing Object Detection Models for Automated Classification of Rabat’s Built Heritage
	PANCANI Giovanni	Integrated digital documentation for conservation, the case study of the Torre degli Upezzinghi called Caprona, in Vicopisano (PI) Italy
	PARRINELLO Sandro	Traditional Architectures Along the Cultural Route of James I of Aragon in the Province of Valencia: Leveraging Laser Scanning and BIM for Heritage Management
	OUMOUMEN Keltoum	Advancing heritage building conservation through HBIM-based VR
16:30-16:40	Coffee break & Poster session	
16:40-17:40	Oral communications : Session 6	
	Pr. MANSOUR Majid	
	BOUCHARK A	Comparative analysis of the effect of thermal insulation on the energy requirements of a tertiary building in Meknes
	FIKRI Imane	Mortars of mural fragments from al-Qarawiyyin mosque, Volubilis and Banasa sites (Morocco): petrographic and structural analysis
	HADDAJI Younesse	Phosphate mine tailings-based geopolymer composite: Mechanical and thermal behavior
	MAJDOUBI Hicham	Enhancing Geopolymer Properties through Natural Phosphate Additives : Characterization and Performance Evaluation
	ALLAOUI Driss	Sustainable Geopolymer from Ceramic Industry Wastewater Sludge: Mechanical, Thermal, and Chemical Performance Evaluation
	NADI Moad	Effect of decarbonated natural graphite additions on metakaolin based geopolymers: A mechanical and microstructural Study
17:40-18:30	Closing session	

Saturday November 4th

Cultural Excursion

A world heritage exhibition in earth and other local materials will be organized by CERKAS.

An excursion to the Ksours of the Ziz Valley, Erfoud and Risani. The excursion ends with a camel ride over the sand dunes of Merzouga to watch the sunset (**fee covers lunch on Saturday and transport to Merzouga**).

Posters session on Thursday & Friday

Pr. TILIOUA Amine - Pr. BATAN Abdelkrim

EL OMARI Mohamed	Raman spectroscopy characterization of stone flooring "caçada marble", in Lisbon, Portugal
CHRACHMY Mohammed	Étude expérimentale et théorique utilisant la méthode DFT pour l'adsorption compétitive de deux colorants cationiques sur une argile de la région Drâa-Tafilalet
CHRACHMY Mohammed	L'étude de plan d'expérience dans confection des briques comprimés à base d'une argile et leurs caractérisations
BELABID Abderrahim	Tire-Based Anti-Seismic Fibers to Increase the Ductility of Traditional Hydraulic Lime Concrete
BOUKIL Mehdi	Preserving Historical Medinas : Exploring preservation through Bim scanning and Augmented Reality
SIMHAMDI Hicham	Exploration of the Tarda Geosite: Local Materials, Geology, and Cultural Heritage for a Sustainable Future (Errachidia Province, Morocco)
HATTAB	Recycled Glass-fiber reinforced cement (RGFRC) waste as a substitute in concrete production
ZAHNOUNE	Study of the raw material potential for the realization of the red brick ecosystem - Agadir region
HATTAB	Evaluating the feasibility, usability, and strength of recycled construction and demolition waste in road construction in Morocco
MOUDDEN Omar	Characterization of Materials and Formulation of Optimal Concrete Mixtures: A Methodological Approach.
DOUGHMI Khaoula	Sustainable Composite Mortars for Architectural Heritage: Thermal and Mechanical Properties with Natural Pozzolan and Fly Ash
BABA Khadija	Conservation-intervention methodology of Historic sites through the analysis and mapping of building materials
HATTANI Fadoua	Experimental study on carbonation resistance of concrete of mixture used for construction in Morocco
HAMID Wafaa	Avantages d'utilisation des ciments à forts ajouts de calcaire et pouzzolane dans la fabrication des Bétons compactés aux Rouleaux
HAMID Wafaa	Massifs expérimentaux comparatifs de différentes compositions de béton compacté au rouleau destinés à la construction des barrages
KHRISSI Youssef	Thermal characterization of a new bio-composite building material based on gypsum and date palm fiber

