



People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research.
University of Batna1

The second International Conference DCNHR "25



Day1/ Morning/February-19-2025

The second International Conference on :

"رقمنة التراث الثقافي والطبيعي وإعادة تشكيلة
البيئة القديمة"

"Digitization of cultural and
natural heritage and reconstruction
of the ancient environment"

February 19/20, 2025 - Hybrid System: Online- Onsite

Morning time- in the auditorium – 08:30- 10:30

- Registration
- Opening : Speech addressed :
 - Dean of the Faculty of Human and Social Sciences
 - Director of Research Laboratory LDCM
 - President of the International conference DCNHR '25
 - General director of the-OGECB
 - Director of Culture and Arts of Batna
 - Director of Tourism of Batna
 - Director of the "Incubator" sector at the Batna 1 University
- An opening speech addressed by his Excellency the Rector of Batna -1- University

The First Session in the auditorium

Moderator: Aissi Abdeldjalil / Bachi zineddine

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| 10:45 - 10:30 | Numériser, Enseigner Documenter et Conserver le Patrimoine Culturel Bâti en Algérie
Pr. ZEGHLACHE Hamza, (Ordre des Experts Internationaux Genève)
MECHICH Rania PhD, Heritage Conservation Consultant- FABRIQ architecture, Canada |
| 11:00 - 10:45 | رقمنة التراث الثقافي والطبيعي وإعادة تشكيلة البيئة القديمة ودورها في الترويج السياحي.
السيد. مدير السياحة والصناعات التقليدية لولاية باتنة |

Patrimoine Culturel : la Transmission à L'ère Digitale

Dr. BOUSNINA Monia Director "LAM" lab, ALI KHODJA Nadir, BOUREGHDA Nadia Kaouther, , Université Ferhat Abbas Sétif1, Algeria

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| 11:15 - 11:00 | استخدام التقنية الرقمية في توثيق مقتنيات المتاحف الخاصة في منطقة عسير، جنوب غرب المملكة العربية السعودية متحف ابن عفيصان أنموذجاً
د. علي عبد الله مرزوق، أستاذ مشارك، جامعة الملك خالد - المملكة العربية السعودية- |
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| 11:30 - 11:15 | Réflexion sur les systèmes de couverture des bâtiments des sites de Thamugadi-Timgad et de Lambaesis-Lambèse, essai de restitution du paysage antique.
Dr. GUERBABI Fatima-Zohra/ Dr. AISSI Abdeldjalil, Université de Batna1 |
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| 11:45 - 11:30 | L'utilisation de la 3D dans le Domaine de la Ceramologie pour l'étude et la Sauvegarde du Mobilier Archéologique
Dr. AMRAOUI Touatia, Researcher at the CNRS, Aix-en-provence, France |
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| 12:00 - 11:45 | الرقمنة وسيلة لتأمين وحفظ الممتلكات الثقافية المنقولة بالمتاحف الوطنية " الجرد"
أ. خلف الله شادية، مديرة المتحف العمومي سطيف، بن صغير نوال، محافظة تراث. |
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| 12:15 - 12:00 | L'utilisation des Jumeaux Numériques dans la Conservation du Patrimoine Antique en Péril Cas D'étude Structure Funéraire : Mausolée de Lambèse
BOUREGHDA Nadia Kaouther, Dr. Ali Khodja Nadir, BOUANANI Kawther, "LAM" lab, Université Ferhat Abbas, Sétif1, Algeria |
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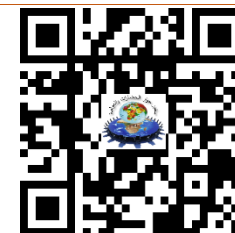
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| 12:45 - 12:15 | Open Discussion |
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| 09:00 - 14:00 | Poster Session |
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The Second Session Onsite in the auditorium Moderator: Zeghlache Hamza / Ali Abdallah Marzouq		The First Workshop Onsite in the library of philosophy faculty of human and social sciences - First floor - Moderator: Salem Mostapha / Yahia Issam	
14:00 -14:15	Advancing Awareness and Preservation: RAHBA Association's Initiative on Earthen Cultural Heritage and Climate-Conscious Architecture Dr. KAIHOUL Ahmed, Dr. PITZALIS Efisio, Dr. DECHOUK Yasmine, Dr. SRITI Leila, LACOMOF Laboratory, Biskra University, University of Campania Luigi Vanvitelli, Italy, SCI CHYK Paris, France	14:00 -14:15	Digital Documentation of Natural and Cultural Heritage and Prospects for Tourism Development in the Wilaya of Ouled Djellal د. سالم مصطفى، د. نبراس تركي هادي، جامعة باتنة 1 / كلية الآداب قسم التاريخ الجامعة العراقية -
14:15 -14:30	Spatial geometric analysis and execution plans for the renewal of cultural heritage Dr. HADEF salem, TOURATHOUNA Foundation for Studies and Restoration - Algeria	14:15 -14:30	دور التوثيق في حفظ الآثار والتراث - مدينة نينوا نموذجاً (Online) أ.د. ياسمين عبد الكريم محمد علي، عميد كلية الآثار - جامعة الموصل
14:30 -14:45	"A Study of the Measurement System Used in North Africa Using Archaeometry and Modern 3D Survey Techniques" Dr. BENNOUI LADRAA Baya, Researcher at the National Center for Research in Archaeology (CNRA)-Director of the Archaeology and Environment Division	14:30 -14:45	نحو رقمنة التراث الصحراوي الجزائري المادي. نور الدين رحموني، بن أم السعد ربيعة ريان، جامعة باتنة 1
14:45 -15:00	La numérisation comme outil strategique dans l'elaboration des plans de gestion unesco : le cas du site de Timgad NAAS Ismahane, Directrice de la valorisation et de l'Exploitation des Biens Culturels à OGEBEC.	14:45 -15:00	La numérisation des inscriptions latines funéraires en Algérie (Online) Pr. MEHENTEL Djahida, Samia BOUDJEBBOUR, institut d'archéologie, université Alger 2
15:00 -15:15	ChatGPT tool, what is its benefit in studies of prehistory and protohistory in Algeria ? Pr. SAHED Aziz tarik, Algiers 02 University	15:00 -15:15	من المسح الأثري التقليدي إلى النماذج ثلاثية الأبعاد (3D): تطبيقات تكنولوجيا الليدار (LiDAR) في استشعار المواقع الأثرية. أ.د. كريم أبركان، كريم خديري، نسيم جاب الله، معهد الآثار، جامعة الجزائر 2
15:15 -15:30	قراءة في زخارف المطرقات الجزائرية العثمانية بواسطة الذكاء الاصطناعي أ.د. طيان شريفة، جامعة الجزائر 2.	15:15 -15:30	The Impact of Globalization on the Organizational Identity of Teams in Heritage Digitization Projects: A Psychological and Social Analysis Dr. SOUICI dahmane., Pr. GACHI mohamed., Batna1 University
15:30 -15:45	The making of a new old landscape in Nakasendo Honmachi (Japan) Dr. MANSOURI Ahmed, FORTAS Khalida, Naoji Matsumoto, Batna1 University, Nagoya Institute of Technology, Nagoya, Japan	15:30 -15:45	Global Archaeological Heritage in the Face of Climate Change Dr. BERREGUIA abdelhamid, Dr. FAFI salah eddine, Université batna 1
15:45 -16:00	Virtual Museums as an Electronic means for Promoting Cultural Heritage Tourism. FRITAS Nadir BENKACIR Boubaker, University of Algiers 2, Institute of Archaeology.	15:45 -16:00	The use of artificial intelligence in the field of archaeology and history. Dr. BOUDJEMAA Akram, Dr. MEGUELATI Abdalah, Batna1 University
16:00 -16:30	Open Discussion	16:00 -16:30	Open Discussion





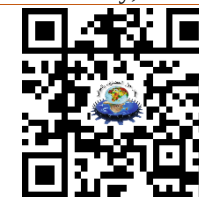
The Second Workshop Online in the Artificial Intelligence Lab
Moderator: Benberkane Saadia / Mezouad Nossai

14:00 -14:15	السجل الوطني لقاعدة البيانات للمواقع الأثرية قطر نموذجاً د. سنان النعيمي، خبير دولي في علم الآثار، متاحف قطر.
14:15 -14:30	عصر الرقمنة: بين تطور التقنية وحماية القيم الإنسانية د. نسبية مزواد، محمد شروف، جامعة باتنة 1
14:30 -14:45	<i>Digital photography of tourist experiences at archaeological sites and monuments as a mechanism for tourism promotion</i> Dr. BOUKHENOUNE.miloud, Oran1 University.
14:45 -15:00	<i>Towards digitizing Algerian archaeological sites</i> Dr. Layth Shakir Mahmood, University of Baghdad, Iraq.
15:00 -15:15	<i>Revue des chapiteaux antiques d'Hippone (HippoRegius) : Analyse, numérisation et contextualisation patrimoniale</i> BOUMARAF Sara Imène, Dr. ATTOUI Redha, Annaba University
15:15 -15:30	<i>Photogrammetry of material Heritage: A Digital Tool for Documentation and Tourism Promotion of Cultural Identity.</i> KHALDI Djewed., AYAD zoughra, Tlemcen University
15:30 -15:45	<i>Les premières tentatives d'utilisation de la technologie LiDAR DE QGIS dans le domaine de l'archéologie : une lecture de certains sites.</i> BOUZIDI TANI Soufyane, University of Algiers 02, Institute of Archaeology
15:45 -16:00	<i>Databases as a mechanism for preserving and documenting rock art sites The experience of the National Office for the Management and Exploitation of Cultural Property in Djelfa</i> BENAMAR Mohammed Yesin, Djelfa University.
16:00 - 16:15	<i>The contribution of digital platforms to the preservation of historical and archaeological sites in Algeria: the "Tarikhona" application as a model</i> HAMOUDA Yassine, BOURAS Said, DJEMAI Mohamed, M'sila University, Algiers 02 University,
16:15 - 16:30	<i>L'apport des Sig et de la Teledetection dans la Rehabilitation du Patrimoine Face Aux Risques Environnementaux</i> GUECHI Imen , GHERRAZ Halima, Oum El Bouaghi University.
16:30 -17:00	Open Discussion



The Third Workshop Online in the Artificial Intelligence Lab
Moderator: Irmouli Bellal / Benfifi Taqiyeddine

14:00 -14:15	<i>Enhancing Tangible Historical and Cultural Heritage Tourism: Leveraging Digital Technologies for Effective Promotion</i> MEDJEDOUB Rima, MEDJEDOUB Asma, University Centre of Mila, Tizi-Ouzou University.
14:15 -14:30	<i>Le numérique comme levier pour la mise en lumière du patrimoine architectural en Algérie : une exploration de la Mosquée Abu Marwan à Annaba</i> NAILI Khouloud, Blida 1 University.
14:30 -14:45	<i>Integrating Climate Analysis and Digital Technologies to Preserve and Promote Algeria's Archaeological Heritage</i> Dr. KADRI Meryem, Oum El Bouagui University.
14:45 -15:00	<i>3D Scanning in Heritage Preservation: Architectural Insights and Applications</i> LAHMAR Imene, Batna1 University.
15:00 -15:15	<i>Applying Gis Technologies For Digitizing Tourist Units And Circuits To Preserve The Heritage Of The Ziban Region (Biskra)</i> RAIS Safa, HADAGHA Fatma Zohra, Asma MENASRA, BOUZAHER Soumia, University of Biskra.
15:15 -15:30	<i>Digital Technologies for the Promotion and Preservation of Algeria's Cultural Heritage</i> KADRI Meryem, Oum El Bouagui University.
15:30 -15:45	<i>The Role of Digital Technologies in Enhancing the Conservation and Restoration of Natural Heritage: Challenges and Opportunities for Sustainability"</i> HIDOUCCI Sarra, Annaba University.
15:45 -16:00	<i>L'utilisation de Google Earth Engine comme outil innovant dans la préservation du patrimoine agricole.</i> BENOUAMELDJADJ Maya, Malika Rached Kanouni, BOUCHAREB Abdelouahab, Constantine 3 University, Oum El Bouaghi University.
16:00 - 16:15	<i>Tracing Landscape Evolution: Mapping and Preserving Oasis Landscapes-The city of Biskra</i> TORAI KENZA, TALBI Amira, RAIS Safa, BOUZAHER Soumia, Biskra University, Batna2 University
16:15 - 16:30	<i>Digital design experience and implementation of immersive technologies : ideation of an e-communicational method as a modern approach for historical and cultural heritage resilience.</i> SEBTI Oussama, TITI Rym, Constantine 3 University, Annaba University
16:30 -17:00	Open Discussion





The First Session Onsite in the Incubator
Moderator: Annane Salim / Benmaklouf Imene

09:00 – 09:15	النمذجة في المتاحف أداة فعالة لتعزيز تجربة الزوار من فئة ذوي الاحتياجات الخاصة. لبصير هناء، أ.د. سليم عنان، معهد الآثار، جامعة الجزائر 2.
09:15 – 09:30	3D reconstruction of the ruins of medieval Algerian cities, as a first hypothesis (Online) Dr. ZATIR Amira, LVAP city architecture heritage laboratory / Polytechnic SCHOOL of Architecture and urban planning EPAU, Algiers
09:30 – 09:45	Challenges of Digital Transformation and Its Implications for Environmental Innovation for Start-ups as a modern trend towards the Green Economy in Algeria – Current Situation and Perspectives BENMAKLOUF Imene, Dr. KILANI Sonia, Batna1 University.
09:45 – 10:00	تأثير العوامل المناخية على المباني الأثرية الإسلامية في مدينة القاهرة-دراسة حالة المسجد الغوري- د. شيماء صيري سيد الليثي، جامعة باتنة 1
10:00 – 10:15	Etude monographique de la Chapelle de l'Hôpital du Dey à Alger : contribution à la préservation du patrimoine architectural. MAGHMOULI Hanane, Alger1 University. (Online)
10:15 – 10:30	The Role Of Ai In Archaeology And The Reconstruction Of Ancient Societies Taqiyeddine BENFIFI, Dr. Saadia BENBERKANE, HAMOUTA Sami, LDCM Laboratory, Batna1 University, Laboratory of Studies in Culture, Personality, and Development/ University Center Morsli Abdellah, Tipaza,
10:30 – 10:45	Heritage in 3D: Study and Digitization of Bronze Statues From the Museum of Antiquities – Algiers Dr. BENBERKANE Saadia; LDCM, Dr. BACHI Zineddine, Batna1 University, Batna, Algiers

10:45 – 11:00 Open Discussion

The second Session Onsite in the Incubator
Moderator: Arbaoui Mohamed / Melgani Haroun

09:00 – 09:15	Can AI Save Vanishing Tongues? An Account for the Role of AI Technologies in the Revitalisation and Digitization of Endangered Languages Dr. BENZITOUNI Amina Ouafa & Dr. MELGANI Haroun, Oum El Bouaghi University.
09:15 – 09:30	دور التكنولوجيا الميدانية في تطوير الدراسات الأثرية من خلال دراسة بعض النماذج كركار يوسف، أ.د. محمد عرباوي، معهد الآثار، جامعة الجزائر 2.
09:30 – 09:45	The role of artificial intelligence in improving cultural heritage preservation processes Dr. IRMOULI Bellal, KADERINE Samia, Higher School of Fine Arts- ESBA
09:45 – 10:00	أهمية المسح التصويري واسع النطاق في رقمنة المتاحف مغربي فاطمة، جامعة عبد الحميد مهري، قسنطينة 2، محافظ تراث بالمتحف العمومي الوطني زيانة وهران
10:00 – 10:15	Reverse engineering, or three-dimensional reverse engineering, a methodology for the digital preservation of architectural heritage as part of a comparative analysis of a historical model. Dr. BOUSNINA Monia, "LAM" lab, Université Ferhat Abbas Sétif1, Algeria
10:15 – 10:30	Digitization and reconstruction of heritage: ethical and legal challenges in the digital age (Online) Dr. GACI Nadia, KHELIFA Mohamed Lamine, Skikda University, UniversityCenter, Tipaza
10:30 – 10:45	"Smart Digitization in the Age of Globalization: Impacts and Challenges for the Preservation of Cultural and Natural Heritage" Dr. LABDAOUI Djalila, Batna1 University.

10:45 – 11:00 قطاع الأنثروبولوجيا: رقمنة الموروث الثقافي الجزائري استكشافا وحفظا
مديازة صورية، منفوخ صورية، جامعة باتنة 1.

11:00 – 11:15 Open Discussion



Recommendations of the international conference
Closing of the international conference
Afternoon – Visit to Timgad archaeological site and museum

