

CIRMARE2023 - LIST OF ACCEPTED PAPERS

Authors	Title	Topic
Rafael Rodrigues, Eduardo Qualharini and Carina Stolz	ANALYSIS OF URBAN MOBILITY IN THE SURROUNDINGS AND IN THE ACCESS AREAS TO A SHOPPING CENTER	Accessibility of Buildings and Urban Spaces
Rosário Oliveira, Diogo Ribeiro, Pedro Oliveira and Rui Gavina	APLICAÇÃO DE TECNOLOGIAS DIGITAIS NO CONTROLO DA MONTAGEM DE ESTRUTURAS METÁLICAS	BIM and the Digitization of Construction
Luiza Assunção, José Pinto-Faria and Fernando Sousa	APPLICATION OF A METHODOLOGY ORIENTED TO INFORMATION MANAGEMENT USING BIM	BIM and the Digitization of Construction
Ayla Hajjar, Bruna Paiva, Cristiano Carmo and Elisa Sotelino	AVALIAÇÃO DE VIABILIDADE TÉCNICA E ECONÓMICA EM REFORMA DE IMÓVEL COM IMPLEMENTAÇÃO BIM	BIM and the Digitization of Construction
Cesar A. Carrasco Payero, Ignacio Lombillo Vozmediano, Francisco Javier Balbás, Jose Ramón Aranda Sierra and Karla Villalta Medina	BIM 6D AND ITS APPLICATION TO THERMAL LOADS CALCULATION IN BUILDING REFURBISHMENT	BIM and the Digitization of Construction
Manuel Pinto, Zita Sampaio and João Ruaro	BIM-FM INTEGRATION TOOLS: COMPARATIVE ANALYSIS	BIM and the Digitization of Construction
Cesar A. Carrasco Payero, Ignacio Lombillo, Francisco Javier Balbas and Haydee Blanco	BUILDING MAINTENANCE USING DIGITAL TOOLS (GIS & BIM/HBIM 5D-7D)	BIM and the Digitization of Construction
Isaac Souza, Cristiano Carmo and Marcelo Meiriño	Estado da arte sobre os impactos da implementação BIM em projetos de infraestrutura	BIM and the Digitization of Construction
Zita Sampaio, João Tomé, Augusto Gomes and Manuel Pinto	HBIM DATA COLLECTION AND HISTORIC EVOLUTION IDENTITY	BIM and the Digitization of Construction
Jorge Teixeira, Yanh Ribeiro, Pedro Mêda, Joaquim Moreira, Rui Sousa and Hipólito Sousa	Interoperabilidade entre modelos BIM e ProNIC: vista de elementos vs. vista de trabalhos	BIM and the Digitization of Construction
Ana Thereza Carvalho, Rui Calejo and José Santos	Modelo BIM como suporte para atividades de manutenção	BIM and the Digitization of Construction
Sualy Albernaz	AMBIENTE DE CURA: SISTEMAS E INSTRUMENTOS DE AVALIAÇÃO AEDET E ASPECT	Building Quality Assessment
Christiano C. B. Ottoni and Eduardo L. Qualharini	AN EVALUATION OF THE ASSET CONDITION OF BUILDINGS: A CASE STUDY IN UFRJ'S BUILT PARK	Building Quality Assessment
Jie Wu, Zhijun Xue, Xinyue Liu, Jinghua Shen and Wei Zhang	ANALYSIS ON ENERGY SAVING TRANSFORMATION OF THE EXTERIOR STRUCTURE OF A LAKESIDE RESIDENCE IN SOOCHOW	Building Quality Assessment
Daniel Luiz Oliveira and Marcos Martinez Silvano	AVALIAÇÃO DOS DANOS NO MUSEU INTEGRADO DE RORAIMA	Building Quality Assessment
Ricardo Nóbrega and Lília Alexandre	AVALIAÇÃO EXPERIMENTAL DO COEFICIENTE GLOBAL DE PERDAS TÉRMICAS DE UM GABINETE	Building Quality Assessment
Ádám Bukovics, Ferenc Lilik and Laszlo T. Koczy	COMPLEX FRAMEWORK FOR CONDITION ASSESSMENT OF RESIDENTIAL BUILDINGS	Building Quality Assessment
Maria Paz Saez-Perez, Jorge A. Duran-Suarez, Joao Castro-Gomes, Luisa M. Garcia-Ruiz, Alberto Martinez-Ramirez and Maria Angeles Villegas-Broncano	COMPARATIVE ANALYSIS OF THERMAL BEHAVIOUR IN HERITAGE IN DIFFERENT SEASONS. THE ROYAL HOSPITAL OF GRANADA	Case Studies in Recovery, Maintenance and Rehabilitation
Jessica Tarenzi Ramos	ESTUDO DE CASO SOBRE RETROFIT EM EDIFICAÇÃO HISTÓRICA DE 100 ANOS DE IDADE (HOTEL GLÓRIA-RJ)	Case Studies in Recovery, Maintenance and Rehabilitation

Vinicius Araujo Goncalves and Joao Da Costa Pantoja	ESTUDO SOBRE REFORÇO E RECUPERAÇÃO DA EDIFICAÇÃO QUE ABRIGARÁ A UNIDADE DE ALTA COMPLEXIDADE EM ONCOLOGIA – UNACON DO HOSPITAL REGIONAL DE ARAGUAÍNA - TO	Case Studies in Recovery, Maintenance and Rehabilitation
Afonso Oliveira, Diogo Freitas, Tomás Dias and Pinto Deesy	O ESTADO DA REABILITAÇÃO URBANA NO CONCELHO DO FUNCHAL – ANÁLISE DE DADOS COLETADOS - PARTE I	Case Studies in Recovery, Maintenance and Rehabilitation
Afonso Oliveira, Diogo Freitas, Tomás Dias and Deesy Pinto	O ESTADO DA REABILITAÇÃO URBANA NO CONCELHO DO FUNCHAL – ANÁLISE DE DADOS COLETADOS – PARTE II	Case Studies in Recovery, Maintenance and Rehabilitation
Diana Santana, Maria Angela Dias and Margaret Chokyu	PATOLOGIAS E REABILITAÇÃO DE CONSTRUÇÕES ECLÉTICAS: O CASO DA AVENIDA MODELO	Case Studies in Recovery, Maintenance and Rehabilitation
André Santos and Mariana Penada	REABILITAR ESCOLAS 3X3: O PARADIGMA DE UM CASO TIPIFICADO	Case Studies in Recovery, Maintenance and Rehabilitation
M ^a Teresa Pinheiro-Alves, Manuel J. Carretero-Ayuso, Sérgio Costa and Nuno Ramos	RESTORING HISTORY: THE REVITALIZATION OF A CHAPEL	Case Studies in Recovery, Maintenance and Rehabilitation
Elaine Vazquez, Mohammad Najjar, Mayara Amario and Isabela Guatimozim Alves	RETROFIT PARA OTIMIZAÇÃO TÉRMICA DE UM EMPREENDIMENTO RESIDENCIAL	Case Studies in Recovery, Maintenance and Rehabilitation
Joaquin Ramos, Alexa Camacho, Glynnis Flaum, Elisabed Lejava, Alberto Barontini, Paulo Lourenço and Milene Gil	Rocha do Conde de Óbidos maritime station: preliminary results of the inspection	Case Studies in Recovery, Maintenance and Rehabilitation
Vitorino Neves, João Lanzinha and João Miraldes	SISTEMATIZAÇÃO DA AVALIAÇÃO DAS CONDIÇÕES DA ENVOLVENTE DE EDIFÍCIOS CORRENTES DE HABITAÇÃO COLETIVA NA PERSPETIVA DA SUA REABILITAÇÃO INTEGRADA – CASOS PRÁTICOS	Case Studies in Recovery, Maintenance and Rehabilitation
Burhan Kubilay Kaptan, José Luís Barroso Aguiar and Sandra Cunha	REUSE AND RECYCLING OF EARTHQUAKE GENERATED CONSTRUCTION AND DEMOLITION WASTE	Circular Economy in the Construction Sector
Luciana Sucupira and João Castro-Gomes	THERMAL EXPANSION/ENERGY STORAGE CHARACTERISTICS OF EAF-SLAG MORTARS FOR PASSIVE SOLAR ENERGY.	Circular Economy in the Construction Sector
Anastasia Burova and Vasily Nikonov	Assessment of the impact of the urban landscape on the emotional state of inhabitants	Housing, Occupant Comfort and Health
Pedro Brandao and João Carlos Gonçalves Lanzinha	Avaliação experimental de apartamento de habitação social em condições climáticas extremas de calor	Housing, Occupant Comfort and Health
Pedro Brandao and João Carlos Gonçalves Lanzinha	Avaliação qualitativa da influência da ocupação em apartamentos de habitação social	Housing, Occupant Comfort and Health
Jorge Lopes, Rui A. F. de Oliveira and M. Isabel Abreu	HOUSING ENERGY-RELATED RENOVATIONS BASED ON PERSPECTIVES ON SOCIAL AND LIFESTYLE STANDARDS: PORTUGUESE HOMEOWNERS	Housing, Occupant Comfort and Health
António Curado and Leonel J. R. Nunes	MITIGATING INDOOR RADON: REMEDIATION MEASURES IN HERITAGE BUILDINGS WITH INTERVENTION RESTRICTIONS	Housing, Occupant Comfort and Health
Mariangela Moura and Ricardo Lopes	NEUROARQUITETURA APLICADA AOS CRITÉRIOS DE PROJETO DE ILUMINAÇÃO E CONFORTO DO ESPAÇO CONSTRUÍDO	Housing, Occupant Comfort and Health
Margarida Gonçalves, António Figueiredo, Ricardo M.S.F. Almeida, Romeu Vicente and António Samagaio	STUDY OF A THERMALLY ENHANCED LIGHT STEEL FRAMING BUILDING INCORPORATING PHASE CHANGE MATERIALS TOWARDS PASSIVE THERMAL COMFORT	Housing, Occupant Comfort and Health
Alberto Barontini, Eduarda Vila-Chã and Paulo Lourenço	Ambient vibration test of the monastery of Salzedas and optimisation of the sensor placement	Interventions in Historical and Cultural Heritage

Benito SÁnchez-MontaÑEs, Manuel V. Castilla and JosÉ-Manuel Romero Ojeda	AN APPROACH TO INDUSTRIAL HERITAGE AND SINGULAR VALUES: THE SCHINDLER'S ARK CASE STUDY	Interventions in Historical and Cultural Heritage
Gabriela Bertaluci and ThaÍsa Silva	AUGMENTED REALITY AS A TOOL FOR HERITAGE EDUCATION AND VALUATION OF HISTORICAL HERITAGE	Interventions in Historical and Cultural Heritage
Maria Clara Amado Martins and Maria Clara Amado Martins	Carlo Ceschi and the restoration of the Church of Santo Stefano Rotondo in Rome	Interventions in Historical and Cultural Heritage
Maria Paz Saez Perez, Jorge A. Duran-Suarez and Joao Castro-Gomes	EVALUATION AND CORRELATION OF THE MECHANICAL CHARACTERISTICS USING NON-DESTRUCTIVE (NDT) AND DESTRUCTIVE TECHNIQUES IN MACAEL MARBLE	Interventions in Historical and Cultural Heritage
João Henrique dos Santos and Maria Clara Martins	PATRIMÔNIO CULTURAL E EDUCAÇÃO. O CASO DA BASÍLICA DE SANTA SABINA EM ROMA	Interventions in Historical and Cultural Heritage
Júnio Santos and Michele Carvalho	RECOMENDAÇÕES PARA SPDA EM EDIFICAÇÕES MODERNISTAS DE VALOR HISTÓRICO E CULTURAL	Interventions in Historical and Cultural Heritage
Alessio Cascardi, Francesco Micelli, Maria Antonietta Aiello and Antonio Occhiuzzi	REMOVABLE/REVERSIBLE SOLUTIONS FOR THE FRP-CONFINEMENT OF HISTORICAL MASONRY COLUMNS	Interventions in Historical and Cultural Heritage
Jorge Pinto, Sandra Pereira, Anabela Paiva, João Lanzinha and Ricardo Bento	RIOMANZANAS VILLAGE AS PART OF THE LANDSCAPE OF MESETA IBÉRICA	Interventions in Historical and Cultural Heritage
Maria Alice Araújo Bouzada and Andrea Rego Queiroz	ÁREAS ANTIGAS: PROTEÇÃO E MANUTENÇÃO PARA A VALORIZAÇÃO DA PAISAGEM CULTURAL DE MURIAÉ, MG	Maintenance and Requalification of Built Spaces
Ingrid Stephanie de Morais, Sofia Araújo Lima Bessa and Rejane Magiag Loura	BUILDINGS MAINTENANCE AND RETROFITS IN BRAZIL: DISCUSSIONS ABOUT THE USE OF INNOVATIVE WALL SYSTEMS	Maintenance and Requalification of Built Spaces
Rui Calejo Rodrigues, Hipólito Sousa and Ivo Almino Gondim	DECISION SUPPORT MODEL FOR BUILDINGS CMMS SELECTION - AN INTEGRATED MAINTENANCE SYSTEM (IMS) PERSPECTIVE	Maintenance and Requalification of Built Spaces
Ygor Freitas De Almeida and Rui Manuel Gonçalves Calejo Rodrigues	MAINTENANCE MANAGEMENT SYSTEMS: A PERSPECTIVE ON THEIR NEED BASED ON A BIBLIOMETRIC ANALYSIS	Maintenance and Requalification of Built Spaces
João Mestre and Susana Lucas	PLANO DE MANUTENÇÃO NA CONSERVAÇÃO - BIBLIOTECA NACIONAL DE PORTUGAL	Maintenance and Requalification of Built Spaces
Garcia Marina da Silva, Souza Roberta Vieira Gonçalves and Fernando José Silva	TOWARDS HEALTH AND COMFORT: ARCHITECTURAL DESIGN AND INDOOR AIR QUALITY IN NATURALLY VENTILATED CLASSROOMS.	Maintenance and Requalification of Built Spaces
Mariana Charles, Rafael Rodrigues, Marcelo Gomes Miguez and Eduardo Qualharini	ANALYSIS OF THE VARIATION OF RIO DE JANEIRO CITY RESILIENCE IN DIFFERENT SCENARIOS	Recovery of Degraded Urban Areas
Cristina Monteiro, Ana Briga-Sá, Cristina Matos and Cristina Santos	GREEN INFRASTRUCTURES DRIVEN TO TACKLE SUSTAINABLE DEVELOPMENT GOALS INTO EUROPEAN URBAN AREAS	Recovery of Degraded Urban Areas
Beatriz Machion Souza Lima, Mayara Amario, Carina Mariane Stolz, Elaine Garrido Vazquez and Assed Naked Haddad	INSPECTION AND DIAGNOSIS OF BOND STRENGTH LOSS IN CERAMIC COATINGS ON BUILDING FACADES: A CASE STUDY IN RIO DE JANEIRO, BRAZIL	Service Life and Pathologies in Buildings
Cloémara Valerão Lemos, Carina Mariane Stolz, Mayara Amario, Eduardo Linhares Qualharini and Elaine Garrido Vazquez	METHODOLOGY FOR QUANTIFICATION OF STAINING IN HISTORICAL FACADES	Service Life and Pathologies in Buildings
Ana Luiza Souza, Thália Raelly de Lima Meneses Romeiro, Melissa Lorrane Frazão Lopes, Matheus Souza and Elton Bauer	OS EFEITOS DA PROPAGAÇÃO DA DEGRADAÇÃO EM FACHADAS DE REVESTIMENTO CERÂMICO	Service Life and Pathologies in Buildings
Dulce Henriques, Emmanuil Dialynas and Inês Flores-Colen	SURVEYING OUTDOOR TIMBER WALKWAYS AND PEDESTRIAN BRIDGES – CASE STUDIES	Service Life and Pathologies in Buildings
Jacira Freitas de Souza Rosa and Fernanda Maria P. F. Ferreira	A CERTIFICAÇÃO LEED: ESTUDO DE CASO JAPAN HOUSE - SÃO PAULO	Sustainability of Buildings

Mohammad Najjar, Laryssa Franco De Carvalho Willcox, Mohammad Khalas, Bruno Da Costa, Assed Haddad and Dieter Boer	BIM AND EXPERIMENTAL DESIGN ANALYSIS TOWARD SUSTAINABLE ENERGY EFFICIENCY IN BUILDINGS: A MODULAR CONSTRUCTION CASE STUDY	Sustainability of Buildings
Rodrigo Lima, Paula Couto and Francisco Bastos	Certificações de Sustentabilidade de Edifícios e o Quadro Comum Europeu Level(s)	Sustainability of Buildings
Milena Andrade, Cristiano Carmo and Renata Faisca	Estudo de Viabilidade Técnica e Econômica do sistema de reúso de águas cinzas utilizando a metodologia BIM	Sustainability of Buildings
Ivo Almino Gondim, João Poças Martins and Hipólito Sousa	LIFE CYCLE COSTING ANALYSIS: IMPLEMENTATION IN BUILDINGS IN THE PHASE OF USE – SYSTEMATIC REVIEW	Sustainability of Buildings
Marianne Di Domênico, Lauro André Ribeiro and Thaísa Silva	LIFE CYCLE ENVIRONMENTAL IMPACT ASSESSMENT OF A SOCIAL INTEREST HOUSING UNIT: STRATEGIES FOR DESIGN DECISION-MAKING PROCESS	Sustainability of Buildings
Rafaela Mateus, José Chaves and Armando Pinto	MEASUREMENT EQUIPMENT EFFECT ON EXPERIMENTAL CHARACTERIZATION OF THERMAL RADIATORS	Sustainability of Buildings
Jorge Falorca	OPERATIONAL BUILDING MANAGEMENT: KEY ASPECTS IN THE PURSUIT OF GREATER EFFICIENCY AND SUSTAINABILITY	Sustainability of Buildings
Rodrigo Penido Lima, Rodrigo Amado Garcia Silva, Monica Pertel and Eduardo Linhares Qualharini	RESIDENCIAL ANALYSIS OF INDIVIDUALIZED MEASUREMENT AND ITS IMPACT ON WATER CONSUMPTION IN A RESIDENTIAL BUILDING	Sustainability of Buildings
Michael M. Santos, Ana Vaz Ferreira and João C. G. Lanzinha	SUSTAINABLE VERNACULAR ARCHITECTURE TO IMPROVE THERMAL COMFORT IN AFRICAN COUNTRIES	Sustainability of Buildings
Luís Jacques de Sousa, João Poças Martins and Luís Sanhudo	The state of the sustainability factor for construction procurement: The case of Portugal	Sustainability of Buildings
Jorge Falorca	AN OVERVIEW OF 'INTELLIGENT' AND 'SMART' APPROACHES IN THE CONTEXT OF BUILDINGS	Technological Updating of Constructions
Tomasz WĘgrzyn, Bożena Szczucka-Lasota and Abilio P. Silva	MAG WELDING OF HIGH-STRENGTH CIVIL CONSTRUCTIONS	Technological Updating of Constructions
Aléxia Ribeiro, João Negrão and Alfredo Dias	PROPOSTA DE DIMENSIONAMENTO DE NÓS EM BETÃO ARMADO PARA PÓRTICOS DE MADEIRA	Technological Updating of Constructions
Thiago Ribeiro, Kéyshilla Rodrigues, Olavo Bastos, Bruno da Costa, Mohammad Najjar, Dieter Boer and Assed Haddad	Urban Resilience Concerning Mobility in Downtown Rio de Janeiro - Brazil	Urban Infrastructure Rehabilitation
Patricia Albuлесcu, Diana Andreescu, Adrian Sinitean, Alexandra Petcu, Andra Cenar Glăvan and Sergiu Zegrean	Social acceptance of urban spaces rehabilitation in a climate change adaptation and biodiversity framework	Urban Planning - Innovation and Inclusion
Mariana Charles, Rafael Rodrigues, Eduardo Qualharini and Marcelo Gomes Miguez	CRITICAL ANALYSIS OF THE REQUALIFICATION PLAN FOR THE CENTRAL REGION OF RIO DE JANEIRO CITY	Urban Resilience and Climate Change
Francisco Delgado Chica	URBAN ART IN THE HISTORIC CENTER OF PORTO, ENEMY OR ALLY OF CULTURAL HERITAGE?	Urban Resilience and Climate Change