

The Setúbal Waterfront Polis Programme: Quantitative evaluation of the public space between 1900 and 2013

Programa Polis para a Frente Ribeirinha de Setúbal: Avaliação Quantitativa do Espaço Público de 1900 a 2013

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Abstract

The modern conversion of cities waterfronts must take into consideration the urban design of the city, through a holistic vision of the territory. In the conversion process the public space is the fundamental element capable of integrating the “new city” with the existing urban fabric. An analysis of the public space of the Setúbal waterfront over the years is presented in this paper, with particular focus on the years following the execution of the Polis Programme. A quantitative approach was undertaken and the public spaces data was treated mathematically. This paper shows how the Polis programme contributed towards the increase of public space of the Setúbal waterfront and contributed for the conversion of those spaces according to the best European practices for the conversion of waterfronts. With the construction of new public spaces and the conversion of existing public spaces, the Polis programme contributed to a greater connection of the city of Setúbal with the river Sado and concretized a vision of integration of the waterfront that was present in the 1931 plan.

Resumo

As modernas reconversões das frentes ribeirinhas urbanas devem levar em consideração o desenho urbano existente da cidade através de uma visão holística do território. No processo de reconversão o espaço público é o elemento fundamental para a integração da “cidade nova” com o tecido urbano existente. Este artigo apresenta uma análise do espaço público da frente ribeirinha de Setúbal ao longo dos anos, com particular enfoque nos anos subsequentes à execução do programa Polis. Procedeu-se a um tratamento quantitativo matemático para análise do espaço público. Mostra-se como o programa Polis contribuiu para um aumento do espaço público da frente ribeirinha de Setúbal e para a requalificação desse mesmo espaço de acordo com as melhores práticas observadas em diversas frentes ribeirinhas Europeias. Com a construção de novos espaços públicos e com a requalificação dos espaços públicos existentes, o programa Polis contribuiu para uma maior conectividade da cidade de Setúbal com o rio Sado e concretiza a visão de integração da frente ribeirinha que se encontrava já presente no plano de 1931.

Keywords

Urban design, waterfronts, public spaces, Setúbal

Palavras-chave

Desenho urbano, frentes ribeirinhas, espaço público, Setúbal

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1. Introduction

The modern conversion of cities' waterfronts must take into consideration the urban design of the city through a holistic vision of the territory. In the conversion process the public space is the fundamental element capable of integrating the "new city" with the existing urban fabric, unifying the two territories and allowing the conversion to expand into surrounding areas [1].

Over the XXth century Setúbal waterfront went through many changes, namely due to the changes in port activities (Setubal inland port hosts naval construction, cargo, ferry and passenger transport and fishing). These industrial port activities resulted in physical and functional degradation of the harbour areas that became abandoned over time. With this scenario during the '90s several urban intervention plans were devised to transform and modernise Setúbal waterfront.

This paper shows how the Polis programme contributed to the increase of the public space in the Setúbal waterfront. It also shows how it contributed to the qualification of run-down areas in the waterfront in similar ways to the conversions found in other European waterfronts. These transformations aimed to approach the city to the water. Examples of these transformative processes are seen in the cities of Barcelona and Lisbon [2,3].

An analysis of the public space of the Setúbal waterfront over the years is presented, with particular focus on the years following the execution of the Polis Programme. A quantitative approach was undertaken and the public spaces data was treated mathematically, in a methodology that followed the previous work of Sampayo [4], the work of Marat-Mendes et al [5] and the work of Sampayo and Rodrigues [6].

Using Setúbal as a case study, this paper highlights the process of public space transformation in the waterfront through: i) an analysis of the urban form of the Setúbal waterfront using the existing cartography and aerial photography (both past and present); and ii) a comparative assessment of the public space found in the cartography post 1900 against the reality and against the several proposals for the Setúbal waterfront. This analysis of the waterfront is divided in several steps:

i) **Archival research** (Administração dos Portos de Setúbal e Sesimbra, SA., Arquivo Distrital de Setúbal, Biblioteca Nacional de Portugal, Biblioteca Nacional de França, Câmara Municipal de Setúbal, Gabinete de Estudos Arqueológicos da Engenharia Militar, Instituto Geográfico do Exército, Museu da Cidade de Setúbal, Museu da Marinha e Torre do Tombo);

ii) **Vectorisation of Cartography Maps** (Table 1 depicts the selected nine case studies);

iii) **Cartography analysis;**

iv) **Data processing and analysis.**

1.1. Concepts

In this work the use of the term "public space" corresponds to the fraction of the open urban area that is not built and is of public usage [7]. The rationality behind the public space quantification follows that of Krier [8]. The following concepts were used:

- **Circulation spaces:** spaces of movement patterns of pedestrian and vehicular traffic.
- **Permanence spaces:** spaces whose main public usage is characterised by long stays like squares, "largos" and green spaces.
- **Square:** urban space with a regular geometric form, surrounded by similar building façades, usually containing public facilities.
- **"Largo":** space that resulted from expansion of an interstitial space presenting diverse geometric shapes and sizes.

- **Green space:** area occupied primarily by planted or to be planted vegetation, whose main function is leisure.
- **“Terrain Vague”** space: empty area without a defined border that isn’t characterised as public space [9].
- **Residual voids:** urban spaces without any defined function, belonging to the block area and that is not considered as public space.
- **Docks:** corresponds the junction of the riverbank areas with its built facilities and the water areas where boats are moored.

2. Quantitative Analysis of Public Space

2.1. Definition and quantification of public space

The quantitative analysis of the urban form was conducted based on the drawings of figures 5, 6, 7, 8, 9, 10, 11, 12, and 13. These drawings correspond to the selected cartography and were drawn according to the methodology cited. The measurements presented in this paper tables and charts should be read together with the drawings for a better perception of their similarities and differences.

The set of synthesis drawings were based on the cartography of the built features of Setúbal waterfront in 1900, 1947, 1967, 1989 and 2013 and also the development plans for the Setúbal water front of 1931, 1943, 1995 and 2004 (Table 1).

Table 1 - Selected cartography for the quantitative analysis of public space.

ID	Year	Name of the Cartography Map	Author	Archive
C1	1900	Drawing of the first Sado river embankment.	unknown	Museu da Cidade de Setúbal
P1	1931	Plan for the Setúbal harbour.	Eng. Afonso de Melo Cid Perestrelo	APSS
P2	1943	Setúbal map with the past constructions of 1941-1942 and the planned constructions for 1943.	Sociedade Industrial Setubalense	Biblioteca Nacional
C2	1947	Aerial photography of Setúbal.		Instituto Geográfico do Exército
C3	1967	Aerial photography of Setúbal.		Instituto Geográfico do Exército
C4	1989	Aerial photography of Setúbal.		Instituto Geográfico do Exército
P3	1995	Synthetic plan of the urban development plan for the Setúbal waterfront	Arch. António Meireles	APSS
P4	2004	Detailed plan for Polis	Arch. Nuno Lourenço (Studio RISCO)	Câmara Municipal de Setúbal
C5	2013	Aerial photography of Setúbal.		Google Earth

2.2. The expansion of the waterfront into the river

In order to understand the growth of the waterfront into the river Tables 2 and 3 present the implantation area of the embankment, the water area and the docks area present in the selected plans.

Tables 2 and 3 - Waterfront growth areas of the different cases of Setúbal.

	C1 (1900)	C2 (1947)	C3 (1967)	C4 (1989)	C5 (2013)		P1 (1931)	P2 (1943)	P3 (1995)	P4 (2004)
Total Area (River + Land Area)	261,5 ha	261,5 ha	261,5 ha	261,5 ha	261,5 ha	Total Area (River + Land Area)	261,5 ha	261,5 ha	261,5 ha	261,5 ha
Land Area	42,6 ha	70,4 ha	71,1 ha	71,2 ha	72,2 ha	Land Area	70,9 ha	71,8 ha	75,8 ha	72,3 ha
River	218,9 ha	191,1 ha	190,3 ha	190,3 ha	189,3 ha	River	190,6 ha	189,7 ha	185,7 ha	189,1 ha
Docks	3,4 ha	13,6 ha	14,1 ha	13,6 ha	17,1 ha	Docks	12,3 ha	13,3 ha	23,8 ha	17,8 ha

Tables 2 and 3 and the figures 5 and 13 show that between 1900 and 1931 there was a major land reclamation process by the construction of three docks. The waterfront in 1900 (C1) comprised 42,6 ha while in 1931 (P1) it comprised 70,9 ha. This represented an increase of 28,3 ha. Although the 1931 case is just a proposal, the land reclamation is clearly observed in the remaining cases where the land area is in the range 70-72 ha without suffering significant changes between 1931 and 2013. The exception to this is observed in the 1995 (P3) proposed plan, where 75,8 ha were defined for land area. This is due to the planning of a fourth dock west of the existing waterfront. This plan is therefore the case with the highest area of docks (23,9 ha).

2.3. Block Area

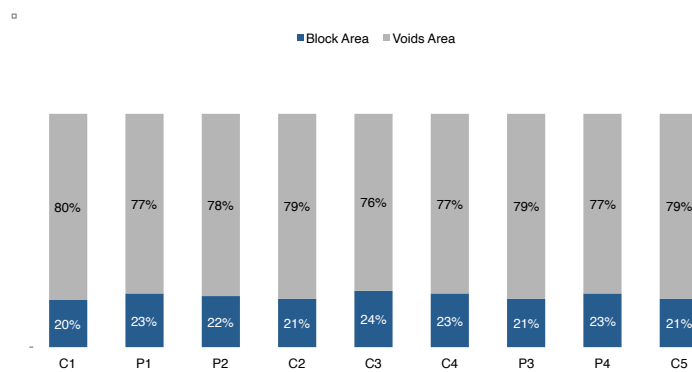


Figure 1 - Percentages of block area and voids area in Setúbal waterfront.

Figure 1 presents the ratios of the total block area and voids and it is clear from it that the 1900 (C1) case presents the highest ratio of voids (80%). Figure 5 also confirms these measurements visually.

The highest percentage of block area corresponds to 1967 (C3) with 24% of block area. This is mainly a consequence of the many existing fishing structures still in existence at the time.

The similarity of the ratios of the different cases also shows that 1931 (P1), 1989 (C4) and 2004 (P4) present the same block area:voids of 23:77 while for 1947 (C2), 1995 (P3) and 2013 (C5) that ratio is 21:79.

As the ratios are all close together 20:80-24:76 a detailed inspection of the public space is needed to extract the different qualities of the different cases, as suggested by Sampayo [4].

2.4. Public Space

As the block area and voids area ratio is very similar, a breakdown of the voids area of the waterfront is presented in Figure 2. In it the category "other elements" includes mountain area, "terrain vague", residual voids, parking lots, and the docks area corresponding to the dock entrance embankments.

Figure 2 shows that plan 1 (1931) and plan 4 (2004), separated by 73 years, propose the highest percentage of public space (54%). Although the percentage is the same in both plans, by analysis of figures 6 and 12 respectively, the distribution differences of public space becomes clear.

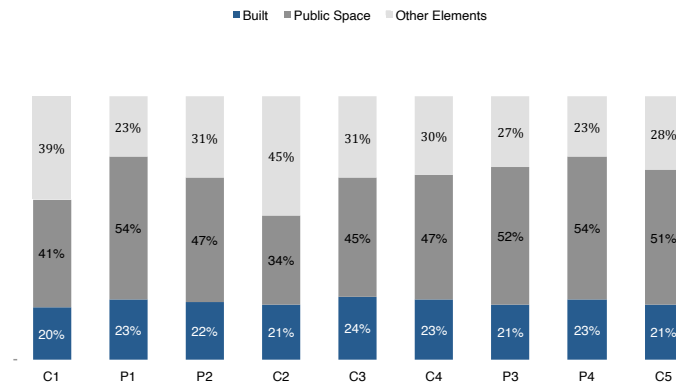


Figure 2 - Percentage of public space area, total block area and “other elements”

In the 1931 plan the circulation spaces are of highest importance in contrast to the permanence spaces. The latter is made of the Luísa Todi Avenue in the north limit of the plan and the remaining elements—one square, two “largos” and two green spaces—in the waterfront central zone. In the 2004 plan the circulation spaces are less important as the built area is also higher. This plan of the Polis also presents more permanence spaces along the Luísa Todi Avenue. It includes also a square in the North limit of the city and several green spaces and “largos” distributed along the waterfront.

The case of 1947 (C2) presents the lowest percentage of public space with only 34%. It also presents the highest percentage of “other elements” (45%). The drawing of this case in figure 3 shows a vast area (in orange) of undefined empty space, characterized as “Terrain Vague”. It is also observed that the plans usually present higher areas of public spaces. This fact demonstrates the attention given to the definition of public spaces reducing the area of “Terrain Vague” by the promoters of those plans. In any case it is also possible to observe that the highest percentage of proposed public space (54% in plan P1 of 1931) was almost achieved many years later in 2013 (C5 with 51% of public space).

The values of public space obtained both in the proposals and the constructed cases (between 34% and 54%) are in their majority higher than the ranges of public space established by Krier [8] as optimal. Krier defined a model pattern for the quantification of public space where the optimal range of public space is in the interval 25%-35% [8]. These percentages correspond to a kind of urban design that is different from that of the Setúbal waterfront—and analogously different from other waterfronts—where there are vast public space areas opening into the river.

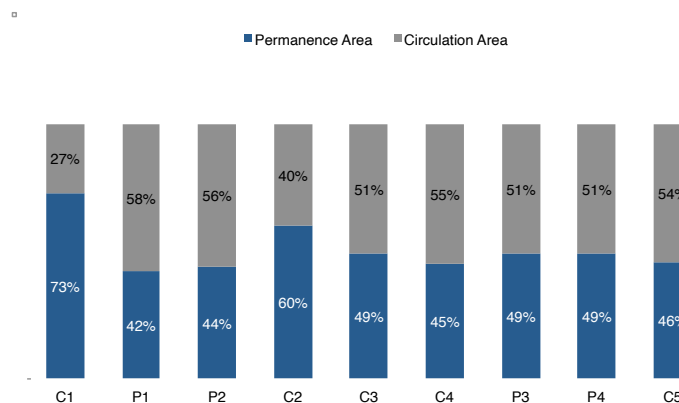


Figure 3 - Breakdown of the public space into permanence area and circulation area.

Figure 3 shows the ratios of permanence area and circulation area of the several studied cases. The Luísa Todi Avenue was considered as a permanence space due to its recreational character that is more important than the circulation that it also presents.

It is clearly observed in Figure 3 that the 1900 (C1) case shows the highest percentage of permanence space (73%) and consequently the lowest value of circulation spaces (27%) over all the analysed cases. The inspection of the 1900 drawing (Figure 5) reveals that Luísa Todi Avenue

contributes significantly to this permanence area. Also the lower value of circulation area is due to the fact that there is a high area of “Terrain Vague”.

The drawings show that the permanence area in 1900 (C1) is made of the Luísa Todi avenue and one square—both also present in the remaining eight cases studied—and three “largos” located near the avenue. The remaining eight cases show higher permanence area values because in addition to the avenue and square—that represent most of the permanence area—several green spaces have been introduced. All the case studies except the 1900 (C1) show a permanence area in the range 42%-60% while the circulation area in the range 40%-58%.

The 1931 plan (P1) presents the highest percentage of circulation area (58%). Base on the drawing of this plan, it is observable the reduced number of permanence spaces and the very wide streets in many locations of the waterfront.

The drawings also reveal a dramatic difference in the circulation area between 1900 (C1) and the remaining cases. The main reason for this difference corresponds with the advance of the waterfront onto the water by land reclamation processes.

It is possible to group the 1967 (C3), 1995 (P3) and 2004 (P4) cases because they present the same percentages of permanence area (49%) and circulation area (51%). The figures 9, 11, and 12 reveal on the other hand that these same percentages are defined differently when doing a local detailed analysis. In 1967 only four permanence spaces are defined: the avenue, the square and two green spaces near the river. In the other two proposals, both present more permanence spaces. The 1995 defined nine permanence spaces while the 2004 plan defined eleven.

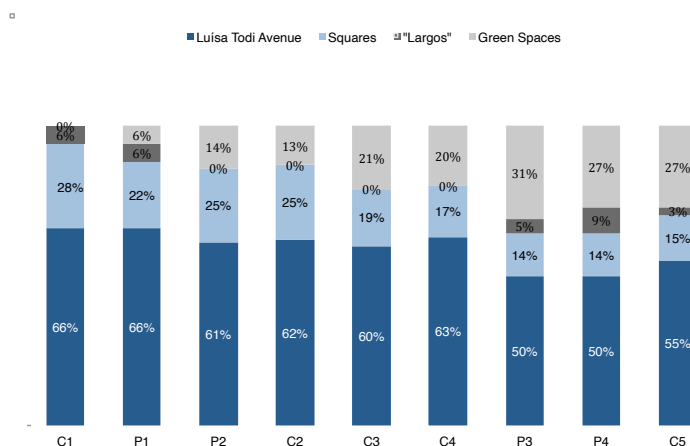


Figure 4 - The structure of the permanence spaces

Figure 4 shows the structure of the permanence spaces of the different case studies. It is clear that the majority of the area in all plans is defined by the Luísa Todi avenue.

In the case of squares, only one is observed in all studied cases, but as observed in Figure 4 the percentage of the area occupied by this square diminishes over time. In 1900 (C1) it corresponds to 28% of the permanence space and in 2013 it is reduced to only 15%. The drawings of these cases show that this diminishing of the square area is due to appearance of new buildings in that space.

The percentage of “Largos” is very residual, varying from inexistent to 9% of the permanence spaces. The Polis plan (P4) is the case presenting the highest area of “Largos”, equivalent to 18,0 ha. The cases of 1943 (P2), 1947 (C2), 1967 (C3) and 1989 (C4) don’t have any “Largos”.

The Green spaces area increases over the years reaching the highest percentage of 31% in the 1995 (P3) proposal. While in the 1900 case there was no defined green space, the 1995 (P3) 31% of green spaces corresponds to almost 62 ha. It is important to notice from the drawings that all these green spaces are located in the south limit of the Setúbal waterfront.

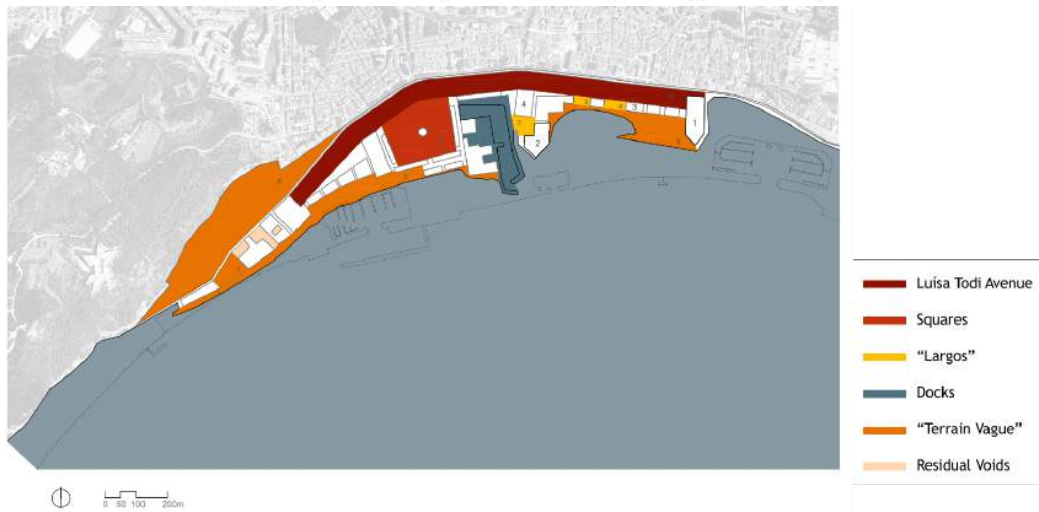


Figura 5: C1 - 1900 - drawing of the first Sado river embankment (Source: Museu da Cidade)



Figura 6: P1 - 1931 - plan for the Setúbal harbour (Source: APSS)

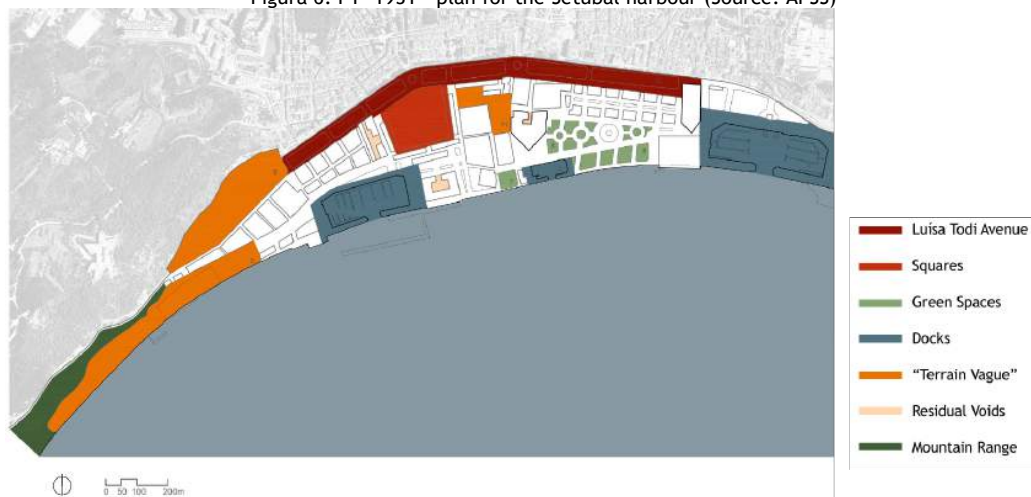


Figura 7: P2 - 1943 - Setúbal map with the past constructions of 1941-1942 and the planned constructions for 1943 (Source: Biblioteca Nacional)



Figura 8: C2 - 1947 - aerial photography of Setúbal (Source: Instituto Geográfico do Exército)



Figura 9: C3 - 1967 - aerial photography of Setúbal (Source: Instituto Geográfico do Exército)



Figura 10: C4 - 1989 - aerial photography of Setúbal (Source: Instituto Geográfico do Exército)



Figura 11: P3 - 1995 - Synthetic plan of the urban development plan for the Setúbal waterfront (SOURCE: APSS)



Figura 12: P4 - 2004 - Detailed plan for Polis (SOURCE: CMS)



Figura 13: C5 - 2013 - present day aerial photography of Setúbal (SOURCE: Google Earth)

3. Conclusion

In this paper it was shown that the Polis programme contributed towards the increase of public space of the Setúbal waterfront and contributed for the conversion of those spaces according to the best European practices for the conversion of waterfronts.

The cases of 1931 (P1), 1989 (C4) and 2004 (P4) present a *block area / void area* ratio of 23%:77% (Figure 1). This equality across decades and case studies confirms previous observations by Sampayo [4] that many urban designs are constrained by geographic features and that those geographic features drive the process of defining new spaces at a macro scale of the city.

The plans of 1931, 1943, 1995 and 2004 include higher percentages of public space, contrary to what was observed in the constructed surveys of 1900, 1947, 1967, 1989, and 2013, that present lower percentages of public space. This shows what seems to be an undervaluation of the importance of public space when the construction phase of the plans starts. This can be explained by the fact that the private promoters usually perceive public space as low value areas. In any case there was a progressive increase in the public space are constructed over the years. This increase resulted from the implementation of some of the public space proposals present in the several plans, mainly from the execution of the Polis programme.

It was shown that the four plans have higher percentages of public space when compared with the constructed and that are not many variations of the values. An example of this is that the plans of 1931 and 2004 present the same public space percentage (54%). This equality at the macro level does not give us a detailed view of the differences between the different plans. By looking into how the public space of these two plans is made of it is possible to realise that the 1931 plan public space has 58% of circulation spaces and 42% of permanence. On the other hand the Polis programme public space (2004) presents less circulation space (51%) and more permanence space (49%). This is a consequence of the introduction of more permanence spaces along the waterfront in the latter plan.

Even in the cases where the middle level analysis reveals similar permanence areas and similar circulation areas – cases of 1967 (C3), 1995 (P3) and 2004 (P4) with 49% and 51% respectively – the detailed analysis of figures 9, 11, and 12 reveals that they are defined differently in each case. In the case of 1967 there are only four permanence spaces: the Luisa Todi avenue, the square and two green spaces in the near the river. On the other hand the 1995 and 2004 plans add another five and seven permanence spaces, respectively. The specificity of the space depends on the level of resolution at which the public space elements are being composed. This also implies that the urban public space also depends on the way these elements articulate with each other at different levels.

With the construction of new public spaces and the conversion of existing public spaces, the Polis programme contributed to a greater connection of the city of Setúbal with the river Sado and concretized a vision of integration of the waterfront that was present in the 1931 plan.

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Port activities and territorial conflicts in the metropolitan zone of Vitoria DELETE Atividade portuária e conflitos territoriais na Vitória Metropolitana

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Abstract

The port activities in the metropolitan zone of Vitoria (ES) results of the intensification processes of globalization and brazilian economic opening. This article approaches the process of interiorization of port activities, from the last two decades of the century 20th and over the 21st, with an empirical approach directed to the projection of RMGV. The interiorization of ports conducts to the phenomenon of regionalisation of the port activities, corresponding to the new cycle of extending ports, characterized by the spacial concentration of the logistic system linked to the port activities in the interior of metropolitan zone. This process, linked to the neoliberalized urbanization dynamics, is among the factors that modify the territorial and landscape settings. The occupation of the port activities and the related services inside the cities, consolidated and in expansion, without the evaluation of the territorial characteristics - biophysics and sociocultural -, articulated by webs of rail/road infrastructure, reveals a several of impacts on the environment. It can be seen, besides the dispute of territory, the importance of (re)strengthening of the places and alternatives that impose against the hegemony of the actual economic standard and turn to the territorial planning related to the interests of the ordinary space.

Keywords

Port activities; City; Territory; Urban impact; Socioenvironmental impact

Palavras-chave

Atividade portuária; Cidade; Território; Impacto urbano; Impacto socioambiental.



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Anna Pacian, Teresa Bernadetta Kulik, Monika Kaczoruk, Adam Gorgol

ICEUBI2015-2.02- DISTRICT HEALTH CARE FACILITY EVALUATION FOR PRIVATIZATION PURPOSES USING MONTE CARLO METHOD

Renata Walczak, Pawel Neumann

ICEUBI2015-2.03- EVALUATION OF DIFFERENCES IN HEALTH EXPENDITURE DEPENDING ON THE LEVEL OF EDUCATION OF HOUSEHOLD HEAD

Magdalena Kludacz, Marlena Piekut

ICEUBI2015-2.04- EXPENDITURE ON HEALTH CARE IN POLAND - THE LEGAL PERSPECTIVE

Jolanta Pacian

14H00-15H30- SESSION ICEUBI2015 - 3



Innovations in Public Spaces 1- Room 8.8

CHAIRMEN: Anna Wlodarczyk and Inês Campos

ICEUBI2015-3.01- WHAT WAY SHALL WE FOLLOW FOR A BETTER CITY? - DESIGN THINKING METHODOLOGY AS A TOOL FOR INNOVATION IN URBAN SPACE

Joanna Szechlicka; Joanna Szustakiewicz



ICEUBI2015-3.02- ANALYSIS OF THE ACOUSTIC CLIMATE OF A SPA PARK USING THE FUZZY SET THEORY

Jacek Sztubecki; Malgorzata Sztubecka

ICEUBI2015-3.03- INNOVATIONS IN PUBLIC SPACES IN SMALL TOWNS IN POLAND

Przesmycka Elzbieta

ICEUBI2015-3.04- NOISE LEVEL ARRANGEMENT IN DETERMINED ZONES OF HOMOGENOUS DEVELOPMENT OF GREEN AREAS ON THE EXAMPLE OF THE SPA PARK IN INOWROCLAW

Malgorzata Sztubecka; Marta Anna Skiba

→ **14H00-15H30- SESSION ICEUBI2015 - 4**



Transportation Infrastructure Management- Room 8.10

CHAIRMEN: Silvino Capitão and Jorge Gonçalves

ICEUBI2015-4.01- DETERMINAÇÃO DO NÍVEL DE SERVIÇO EM ESTRADAS MULTIVIAS PORTUGUESAS: METODOLOGIA HCM 2010

João Fernandes; Bertha Santos; Jorge Gonçalves

ICEUBI2015-4.02- DIAGNÓSTICO DA SINISTRALIDADE RODOVIÁRIA PORTUGUESA NOS TROÇOS EM OBRAS

Cláudia Polónia; Bertha Santos; Carmen Carvalheira

ICEUBI2015-4.03- NUTII CENTRO - ACESSIBILIDADES RODOVIÁRIAS E DESENVOLVIMENTO REGIONAL

Pedro Miguel Luís da Silva; Carmen Geraldo Carvalheira; Maria João de Moreira Fontes

ICEUBI2015-4.04- TAV RIO - CAMPINAS: DESENVOLVIMENTO REGIONAL ATRAVÉS DE MOBILIDADE INTERURBANA SUSTENTÁVEL

Aline Margarette da Mota Serpa

ICEUBI2015-4.05- HEAVY METAL REMOVAL IN A DETENTION BASIN FOR ROAD RUNOFF

Paulo Scalize; Antonio Albuquerque; Paulo Belizario

→ **14H00-15H30- SESSION ICEUBI2015 - 5**



Asset Management- Room 8.12

CHAIRMEN: João Quaresma Dias and João Matias

ICEUBI2015-5.01- GESTÃO DE ATIVOS, O CAMINHO FUTURO

Daniel da Fonseca Albino Sampaio Viola

ICEUBI2015-5.02- EVOLUÇÃO DO ESTADO DAS ORGANIZAÇÕES NA GESTÃO DE ATIVOS: DESDE O GRAU DE MATURIDADE ATÉ À CERTIFICAÇÃO, PELA NORMA ISO 55001

Daniel da Fonseca Albino Sampaio Viola





ICEUBI2015-5.03- A IMPORTÂNCIA DA GESTÃO DE ATIVOS NA INDÚSTRIA

Joaquim Cabral Martins

ICEUBI2015-5.04- O PAPEL DA ENGENHARIA NA GESTÃO DE ATIVOS INDUSTRIAIS

Joaquim Cabral Martins

ICEUBI2015-5.05- PROPOSAL OF A SYSTEMIC AND INTEGRATED FRAMEWORK TO SUPPORT NEW PRODUCT DEVELOPMENT DESIGN

António João Feliciano Pina da Costa Abreu; João Carlos de Oliveira Matias; João Carlos Quaresma Dias; Ana Sofia Martins da Eira Dias

ICEUBI2015-5.06- PROPOSAL OF A CONCEPTUAL/FUNCTIONAL MODEL TO SUPPORT NEW PRODUCT DEVELOPMENT DESIGN

João Carlos de Oliveira Matias; João Carlos Quaresma Dias; Ana Sofia Martins da Eira Dias; António João Feliciano Pina da Costa Abreu

16H00-17H30- SESSION ICEUBI2015 - 6



Air Transport 2

Auditorium 8.1

CHAIRMEN: Jorge Silva and Vasco Reis

ICEUBI2015-6.01- FUEL CONSERVATION STRATEGIES FOR THE VERTICAL PROFILE OF CRUISE FLIGHT

Henrique S. F. A. Nunes; Jorge M. R. Silva

ICEUBI2015-6.02- INSIGHTS AND CHALLENGES OF FLIGHT SIMULATION SYSTEMS IN AIR TRANSPORTATION

Luís G. Trindade; João Neves; Jorge Silva; Jorge Silva; Kouamana Bousson; Laura N. Martins

ICEUBI2015-6.03- PSYCHOPHYSIOLOGICAL FACTORS ANALYSIS IN UNPRESSURIZED AIRCRAFT CABINS

Luís Patrão; Sara Zorro; Jorge Silva

ICEUBI2015-6.04- MODELLING , OPTIMIZATION OF RUNWAY OCCUPANCY TIME AND REVENUE MANAGEMENT IMPACT

Seddik Sakif; Najiba Sbihi; Hicham Nizar; Mohammed Benbrahim

ICEUBI2015-6.05- MODELLING AN AIR TRANSPORT NETWORK WITH PUBLIC SERVICE OBLIGATIONS

Duarte Rego Costa Amorim da Cunha; Maria do Rosário Maurício Ribeiro Macário; Luis Miguel Martinez

ICEUBI2015-6.06- A CONECTIVIDADE NO CONTEXTO DO DESENVOLVIMENTO DO CONCEITO DE CIDADE-AEROPORTO: O CASO DE ESTUDO DO AEROPORTO DE LISBOA

Vasco Domingos Moreira Lopes Miranda dos Reis; Maria Braga Pestana

16H00-17H30- SESSION ICEUBI2015 - 7



Health Care Economics and Management 2- Room 8.6

CHAIRMEN: Magdalena Kludacz and Paulo Scalize

ICEUBI2015-7.01- HEALTH EXPENDITURE IN HOUSEHOLD BUDGETS OF DIFFERENT SOCIO-ECONOMIC GROUPS IN POLAND

Piekut Marlena, Kludacz Magdalena

ICEUBI2015-7.02- IDENTIFICATION OF POLISH HOUSEHOLDS VULNERABLE TO NEGATIVE HEALTH EFFECTS RESULTING FROM ALCOHOLIC BEVERAGES, TOBACCO PRODUCTS AND DRUGS CONSUMPTION

Renata Walczak, Marlena Piekut, Katarzyna Osiecka

ICEUBI2015-7.03- METODOLOGIA LEAN APLICADA A METROLOGIA NOS SERVIÇOS HOSPITALARES

Maria do Céu L. S. Ferreira; Helena V. G. Navas; Dione T. S. Guimarães

**ICEUBI2015-7.04- LA FLUORACIÓN DEL AGUA EN CIUDADES DEL CENTRO-OESTE DE BRASIL**

Germán Sanz Lobón; Paulo Sérgio Scalize; Cláudia Alves de Souza; Humberto Carlos Ruggeri Júnior; Antonio Albuquerque

16H00-17H30- SESSION ICEUBI2015 - 8
Innovations in Public Spaces 2- Room 8.8**CHAIRMEN: Anna Wlodarczyk and Jorge Marum****ICEUBI2015-8.01- PASSENGER INTERMODAL STATIONS: NEW TRANSPORT AREAS IN THE EUROPEAN CITIES**

Katarzyna Foljanty

ICEUBI2015-8.02- RENATURALIZATION OF RIVERBANKS IN URBAN AREAS

Anna Marta Wlodarczyk; Jorge Mascarenhas

ICEUBI2015-8.03- TEMPORARY PUBLIC SPACES - FUNCTIONAL INNOVATIONS

Natalia Przesmycka

ICEUBI2015-8.04- WILD PUBLIC SPACES. CASE STUDIES OF RUMMELSBURGER BUCHT IN BERLIN (D) AND DOLOMITY IN BYTOM AND TARNOWSKIE GÓRY (PL)

Anna Marta Wlodarczyk; Michal Wlodarczyk

16H00-17H30- SESSION ICEUBI2015 - 9
Mobility and Transportation- Room 8.10**CHAIRMEN: Carmen Carvalheira and Bertha Santos****ICEUBI2015-9.01- GESTÃO MUNICIPAL - APLICAÇÃO DE SISTEMAS DE INFORMAÇÃO GEOGRÁFICA EM CIDADES DE PEQUENA DIMENSÃO**

Diana Fernandes; Carmen Carvalheira

ICEUBI2015-9.02- TRANSPORTES COLETIVOS URBANOS: ANÁLISE EVOLUTIVA DO SISTEMA NA COVILHÃ

Jorge Humberto Gaspar Gonçalves

ICEUBI2015-9.03- PEDONALIZAÇÃO DE UMA ARTÉRIA DE UM CENTRO URBANO - RUA GARRETT EM LISBOA

Silvino Capitão; Rafael Durão; Carmen Carvalheira

ICEUBI2015-9.04- INDICADORES PARA A CARACTERIZAÇÃO DE NÍVEIS DE SEGURANÇA RODOVIÁRIA EM MEIO URBANO

Carmen Jesus Geraldine Carvalheira; Vânia Martins Serra; Vanessa Filipa Batista Moura; Silvino Dias Capitão

16H00-17H30- SESSION ICEUBI2015 - 10
Aerospace Sciences- Room 8.12**CHAIRMEN: Miguel Ângelo Silvestre and João Monteiro****ICEUBI2015-10.01- TUBO DE PITOT PARA MEDIÇÃO DA VELOCIDADE DO AR OBTIDO POR IMPRESSÃO 3D**

João Alexandre Dias Carrilho; Manuel Carlos Gameiro da Silva; Alexandre Borges de Miranda; João Manuel Milheiro Caldas Paiva Monteiro

ICEUBI2015-10.02- SIMULAÇÃO CFD DE ALHETAS DE SAÍDA COM ATUADORES DBD PARA A TUBEIRA HOMER

F. Dias; J. Páscoa; C. Xisto; M. Abdollahzadeh; F. Rodrigues

ICEUBI2015-10.03- CARACTERIZAÇÃO DA POTÊNCIA CONSUMIDA POR ATUADORES A PLASMA DBD PARA CONTROLO DA CAMADA LIMITE

Frederico Rodrigues; José Páscoa; Filipe Dias



ICEUBI2015-10.04- PROPULSÃO PARA MICRO VEÍCULOS AÉREOS INSPIRADOS NA BIOLOGIA

Jorge Barata, Fernando Neves, Pedro Manquinho

ICEUBI2015-10.05- A COMPUTER APPLICATION FOR PARAMETRIC AIRCRAFT DESIGN

Pedro Albuquerque; Pedro Gamboa; Filipe Fraqueiro

ICEUBI2015-10.06- AERODYNAMIC PERFORMANCE OF AEROFOILS OBTAINED FROM A GEOMETRIC OFFSET APPLIED TO A GIVEN INITIAL AEROFOIL

Pedro V. Gamboa; Diogo B. Sousa; David R. B. Melo





→ **09H00-10H30- SESSION ICEUBI2015 - 11**

Rehabilitation of Buildings and Satisfaction of Contemporary Requirements 1



Auditorium 8.1

CHAIRMEN: Eduardo Qualharini and João Lanzinha

ICEUBI2015-11.01- ANÁLISE CONCEITUAL DOS PROJETOS DE RETROFIT E SEUS NOVOS DESAFIOS: TOMADA DE DECISÃO E ANÁLISE DE RISCOS ATRAVÉS DE UMA VISÃO COMPLEXA

Danillo Araujo dos Santos; Lysio Séllos; Gisele Blak Bernat; Eduardo Linhares Qualharini; Orlando Celso Longo

ICEUBI2015-11.02- CONSIDERAÇÕES SOBRE BIM E REALIDADE AUMENTADA COMO AGENTE FACILITADOR NA MANUTENÇÃO E RETROFIT DE OBRAS CIVIS

Orlando Celso Longo; Lysio Séllos; Gisele Blak Bernat; Eduardo Linhares Qualharini; Danillo Araujo dos Santos

ICEUBI2015-11.03- ESTRUTURA DE PLANO DE MANUTENÇÃO DE EDIFICAÇÕES MULTIFAMILIARES

Elaine Garrido Vazquez; Flavia do Nascimento Vieira

ICEUBI2015-11.04- OS DESAFIOS DO GERENCIAMENTO DE RISCOS EM PROJETOS DE REABILITAÇÃO PREDIAL

Gisele Blak Bernat; Danillo Araujo dos Santos; Lysio Séllos; Orlando Celso Longo; Eduardo Linhares Qualharini

ICEUBI2015-11.05- A RESPONSABILIDADE TÉCNICA EXIGIDA NO COTIDIANO DA GESTÃO PREDIAL CONDOMINIAL

Fernando José Seixas Pereira; Camilo Michalka Jr; Aldemar Norek de Oliveira Lima

ICEUBI2015-11.06- EDIFÍCIOS POMBALINOS - CONSEQUÊNCIAS DE ALGUMAS INTERVENÇÕES DE REABILITAÇÃO

Jorge Morarji dos Remédios Dias Mascarenhas; Fernando José Fortes Garrido Branco

→ **09H00-10H30- SESSION ICEUBI2015 - 12**



Electrotecnics, Electronics, Instrumentation and Control- Room 8.6

CHAIRMEN: Bruno Ribeiro and José Pacheco de Carvalho

ICEUBI2015-12.01- FERRAMENTA DE TESTE E VERIFICAÇÃO PARA SENSORES INERCIAIS E ALGORITMOS DE POSICIONAMENTO

Sérgio Cravo Patrão; José Pedro Amaro

ICEUBI2015-12.02- INFLUÊNCIA DOS MODELOS DAS CARGAS NA ESTABILIDADE DINÂMICA DE TENSÃO

R. M. Monteiro Pereira; Adelino J. C. Pereira; C. M. Machado Ferreira; F. P. Maciel Barbosa

ICEUBI2015-12.03- LABORATORY PERFORMANCE STUDIES OF IEEE 802.11 A, G OPEN FOUR-NODE PTMP LINKS

António D. Reis; Hugo Veiga; José A. R. Pacheco de Carvalho; Cláudia F. F. P. Ribeiro Pacheco

ICEUBI2015-12.04- ANALISADOR DE PERDAS EM CABOS ELÉTRICOS ASSISTIDO POR MICROCONTROLADOR (ÂµCLA)

Pedro Aleixo; Amílcar Baptista; Manuel Valdez; Adelino Pereira

ICEUBI2015-12.05- SISTEMAS DE MONITORIZAÇÃO DESPORTIVA - INTENSIDADE DO SALTO EM CAMA ELÁSTICA

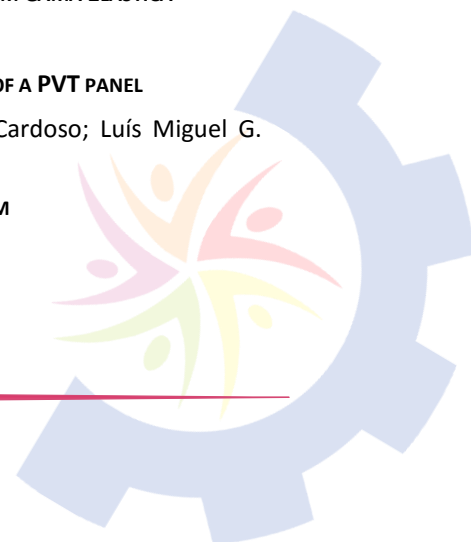
Ana Costa; Mariana Batalha; Vanda Umbelino; José Pedro Amaro

ICEUBI2015-12.06- DEVELOPMENT OF A CLOUD-BASED SYSTEM FOR REMOTE MONITORING OF A PVT PANEL

Paulo Alexandre A. Vieira; Carlos A. Figueiredo Ramos; António J. Marques Cardoso; Luís Miguel G. Saraiva; Adérito N. Alcaso

ICEUBI2015-12.07- DIGITAL COMMUNICATION SYSTEMS BY FIBER OPTIC AND SYNCHRONISM

Jose P. Carvalho; Antonio D. Reis; Jose F. Rocha; Atilio S. Gameiro





→ 09H00-10H30- SESSION ICEUBI2015 - 13



Metaheuristic Optimization- Room 8.8

CHAIRMEN: Renata Walczak and Paulo Fazendeiro

ICEUBI2015-13.01- INTEGRAÇÃO DE METODOLOGIAS PARA A MELHORIA CONTÍNUA DE PROCESSOS

David S. Vilamariz; José E. P. Paulos; Helena V. G. Navas

ICEUBI2015-13.02- MODELO DE UTILIZAÇÃO CONJUNTA DAS FERRAMENTAS ANALÍTICAS DE LEAN E TRIZ

Gustavo H. N. Lopes; Helena V. G. Navas

ICEUBI2015-13.03- TEORIA DE RESOLUÇÃO INVENTIVA DE PROBLEMAS (TRIZ)

Helena V. G. Navas; José P. M. Bandeira; Isabel L. Nunes

ICEUBI2015-13.04- PLANEAMENTO DA MANUTENÇÃO PREVENTIVA USANDO ALGORITMOS GENÉTICOS

António Abreu; J. M. F. Calado; Eduardo Pêgo

ICEUBI2015-13.05- MICROFILARIAE CLASSIFICATION USING MULTIPLE CLASSIFIERS FOR COLOR AND SHAPE FEATURES

Faroq AL-Tam; António dos Anjos; Sébastien Pion; Michel Boussinesq; Hamid Reza Shahbazkia

→ 09H00-10H30- SESSION ICEUBI2015 - 14



Architecture, Design and Urban Planning- Room 8.10

CHAIRMEN: Miguel Moreira Pinto and Inês Campos

ICEUBI2015-14.01- A AFIRMAÇÃO DO “ARQUIESPÇO” NO MUNDO DA IMAGEM DO CATÁLOGO DA MARCA REVÍGRES DE 2014

Maria Celsa Rebelo Gil Alves; Luís Miguel de Barros Moreira Pinto; à,ngela Prestes Veiga dos Santos

ICEUBI2015-14.02- VILLA SAVOYE DE LE CORBUSIER: FOTOGRAFIA E CINEMA NA ARQUITECTURA

Susana Maria Tavares dos Santos Henriques; Maria João dos Reis Moreira Soares

ICEUBI2015-14.03- ANÁLISE DE CICLO DE VIDA APLICADA À PROJETOS DE ARQUITETURA: ESCOLHA DE SISTEMA CONSTRUTIVO

Tiago Joaquim de Sá Laranjeira; Luiz Antonio Pereira de Oliveira

ICEUBI2015-14.04- LIFE CYCLE ASSESSMENT OF MODULAR GREEN ROOF ARCHITECTURAL SOLUTIONS

Luiz Antonio Pereira de Oliveira; Sandra Carolina Cortez Alves

ICEUBI2015-14.05- PLACEMAKING - QUALIDADE DO ESPAÇO PÚBLICO

Catarina Dais

→ 09H00-10H30- SESSION ICEUBI2015 - 15



ICT Applications on Engineering, Spatial Planning and Architecture 1- Room 8.12

CHAIRMEN: Ana Lúcia Virtudes and José Neves Dias

ICEUBI2015-15.01- PLATAFORMA ROBUSTA PARA APOIO À PRODUÇÃO

Alfredo Fernandes; Paula Prata

ICEUBI2015-15.02- A MODEL OF ENERGY EFFICIENCY FROM THE ANALYSIS OF RESILIENT TERRITORIES

Rolando-Arturo Cubillos-González

ICEUBI2015-15.03- ANÁLISE DO CENÁRIO ATUAL DO ENSINO DE ENGENHARIA CIVIL NO BRASIL E A PARTICIPAÇÃO DO BIM NAS UNIVERSIDADES BRASILEIRAS

Gisele Blak Bernat; Orlando Celso Longo; Lysio Séllós; Eduardo Linhares Qualharini; Danillo Araujo dos Santos

**ICEUBI2015-15.04- BIM METHODOLOGY APPLIED IN STRUCTURAL DESIGN**

Alcinia Zita Sampaio; Vitalino Azevedo

ICEUBI2015-15.05- BIM TRAINING IN ENGINEERING SCHOOL

Alcinia Zita Sampaio

ICEUBI2015-15.06- PLATAFORMA CeAMATE-ON - A UTILIZAÇÃO DE UMA PLATAFORMA E-LEARNING NO ENSINO EM ENGENHARIA

Emília Bigotte de Almeida; Anabela Gomes; Jorge Vale

→ **11H00-12H30- SESSION ICEUBI2015 - 16****Rehabilitation of Buildings and Satisfaction of Contemporary Requirements 2****Auditorium 8.1****CHAIRMEN: Eduardo Qualharini and Manuel Pinto****ICEUBI2015-16.01- EMPREENDIMENTOS DE CONSTRUÇÃO E REABILITAÇÃO - CUSTOS ASSOCIADOS**

Ana Cristina Leite Torres; João Carlos Gonçalves Lanzinha

ICEUBI2015-16.02- HABITAÇÃO E SAÚDE - PROPOSTA DE METODOLOGIA PARA AVALIAÇÃO DE RISCOS PARA OS OCUPANTES

Marisa Monteiro; João Lanzinha

ICEUBI2015-16.03- PROJETO 6.60.6 - CAMPANHA EXPERIMENTAL

Ana C.A. Sousa; M. Ramiro Pastorinho; João C. G. Lanzinha; Miguel Nepomuceno; Marisa Monteiro

ICEUBI2015-16.04- HOUSE DUST FUNGAL COMMUNITIES' CHARACTERIZATION: A DOUBLE TAKE ON THE SIX BY SIXTY BY SIX PROJECT (6x60x6)

Raquel Amaro; Marisa Monteiro; Ana C.A. Sousa; Sónia D. Coelho; Miguel Nepomuceno; M. Ramiro Pastorinho; João C. G. Lanzinha; Luís Taborda-Barata; João Paulo Teixeira; Maria Assunção Vaz-Pato; Cristiana C. Pereira

ICEUBI2015-16.05- QUANTIFICAÇÃO DE MERCÚRIO EM AMOSTRAS DE PÓ DOMÉSTICO RECOLHIDAS NA CIDADE DA COVILHÃ (PORTUGAL) - RESULTADOS PRELIMINARES DO PROJETO 6x60x6

Sara M. Neves; Miguel Nepomuceno; M. Ramiro Pastorinho; João C. G. Lanzinha; Luís Taborda-Barata; Ana C.A. Sousa; Maria Assunção Vaz-Pato; Marisa Monteiro

ICEUBI2015-16.06- PATOLOGIAS BIOLÓGICAS - CRESCIMENTO DE VIDA VEGETAL EM FACHADAS DE EDIFÍCIOS HISTÓRICOS DO RIO DE JANEIRO

Gustavo Millan Cesar de Almeida; Marcus Vinicius Arruda Plaisant Mariz Filho

→ **11H00-12H30- SESSION ICEUBI2015 - 17****Small Scale Industrialized Architectures of Nomadic Nature- Room 8.6****CHAIRMEN: Salvator Mata Peréz and Eduardo Fraile****ICEUBI2015-17.01- ARQUITECTURA DE EMERGENCIA: PROTOTIPOS CONTEMPORÁNEOS EFÍMEROS**

Lucía Muñoz Mínguez

ICEUBI2015-17.02- FOLDING WAVE HOUSE: HABITAÇÃO PARA UM SURFISTA NÓMADA

Teresa Sílvia Magalhães Loureiro Carvalho

ICEUBI2015-17.03- MODULAR PARA REABILITAR. O AÇO E A LUZ NO RE-HABITAR DE RUÍNAS COM CARÁCTER CENOGRÁFICO.

Inês Daniel de Campos; Ana Maria Tavares Martins





ICEUBI2015-17.04- SALUDABLE Y NÓMADA: UN PROYECTO PILOTO DE MÓDULO ASISTENCIAL SANITARIO DE CARÁCTER INDUSTRIALIZADO DE PEQUEÑA ESCALA Y AUTOSUFICIENTE

Salvator Mata Pérez

ICEUBI2015-17.05- LA COMPRESIBILIDAD, CONDICIÓN SUBSTANCIAL DE LAS ARQUITECTURAS NÓMADAS Y DE EMERGENCIA.

Eduardo Miguel González Fraile

ICEUBI2015-17.06- COMPARACIÓN DE TÉCNICAS FOTOGRAMÉTRICAS DE BAJO COSTO PARA EL RELEVAMIENTO DE PIEZAS MECANICAS

Gavino S.; Defranco G.; Lara M.; Fuertes L.; Lopresti L.; Barba S.

→ **11H00-12H30- SESSION ICEUBI2015 - 18**



Dynamics and Stability in Structural Engineering- Room 8.8

CHAIRMEN: Rui Carneiro Barros and Luis Bernardo

ICEUBI2015-18.01- ANÁLISE DO COMPORTAMENTO SÍSMICO DE DUAS FORMAS DE TORRES PARA A PONTE ATIRANTADA PROPOSTA PARA A TERCEIRA TRAVESSIA DO TEJO

Rui Carneiro Barros; Pedro M. N. Almeida

ICEUBI2015-18.02- ANÁLISE POR CFD DO ESCOAMENTO EM TORRES TUBULARES DE TELECOMUNICAÇÃO

Rui Carneiro Barros; Sandra Freitas; Fabio M. Paiva

ICEUBI2015-18.03- APLICAÇÃO DO RADAR INTERFEROMÉTRICO IBIS FS NA MONITORIZAÇÃO DE UM POSTE DE TELECOMUNICAÇÕES

Luis Silva; Rui Carneiro de Barros; Fabio M. Paiva; Jorge M. Henriques

ICEUBI2015-18.04- DIMENSIONAMENTO REGULAMENTAR DE CINTAS HELICOIDAIS PARA TORRES TUBULARES DE TELECOMUNICAÇÕES

Sandra Freitas; Rui Carneiro Barros; Fabio M. Paiva

ICEUBI2015-18.05- O RADAR INTERFEROMÉTRICO IBIS-FS NA MONITORIZAÇÃO DO COMPORTAMENTO ESTRUTURAL

Luis Carlos Gonçalves Silva; Rui Carneiro de Barros; Fabio M. Paiva; Jorge M. Henriques

ICEUBI2015-18.06- OPTIMIZATION OF A FUZZY LOGIC CONTROLLER FOR MR DAMPERS USING ANFIS

Manuel T. Braz-César; Rui Carneiro de Barros

→ **11H00-12H30- SESSION ICEUBI2015 - 19**



Textile- Room 8.10

CHAIRMEN: Albert Manich and Rita Salvado

ICEUBI2015-19.01- DESEMPENHO DA INFLUÊNCIA DOS SISTEMAS DE FIOS NO TECIDO DE FELPO

Juliana Cruz

ICEUBI2015-19.02- RE-DESIGN DE TECIDOS ESTREITOS PARA APLICAÇÕES INOVADORAS

Mara Fernandes; Nuno Moura e Sá; Raquel Carvalho; Cátia Relvas; Raul Fangueiro; Eduardo Moura e Sá

ICEUBI2015-19.03- EFECTO DEL LIGAMENTO, PROCESADO Y HUMEDAD RELATIVA EN EL ESPESOR, LA DENSIDAD APARENTE Y EL COMPORTAMIENTO A LA COMPRESIÓN DE TEJIDOS DE PLA/LANA Y PET/LANA

Rui A L Miguel; Manuel J Santos Silva; Meritxell Martí; Diana Cayuela; Albert M Manich

ICEUBI2015-19.04- ESTUDO DE MATERIAIS FIBROSOS PARA REDUÇÃO DA ASSINATURA TÉRMICA

Cátia Relvas; Raquel Carvalho; Raul Fangueiro; Eduardo Moura e Sá; Nuno Moura e Sá



11H00-12H30- SESSION ICEUBI2015 - 20



ICT Applications on Engineering, Spatial Planning and Architecture 2- Room 8.12

CHAIRMEN: Ana Lúcia Virtudes and Alcinia Zita Sampaio

ICEUBI2015-20.01- THE ROLE OF INTEGRATED MOBILITY MANAGEMENT TOWARDS THE CONCEPT OF SMART CITIES

Tiago I. Costa; Gonçalo Duarte; Sandra Melo; Patrícia Baptista

ICEUBI2015-20.02- ICT FOR SMART EVALUATION OF VERNACULAR ARCHITECTURE: CANEIRAS THE ALIVE AND LIVED STILT-HOUSE VILLAGE

Ana Lúcia Virtudes; Filipa Almeida

ICEUBI2015-20.03- ICT FOR SMART EVALUATION OF VERNACULAR ARCHITECTURE: ESCAROUPIM THE MOST URBAN STILT-HOUSE VILLAGE

Filipa Almeida; Ana Lúcia Virtudes

ICEUBI2015-20.04- ICT FOR SMART EVALUATION OF VERNACULAR ARCHITECTURE: LEZIRÃO THE BUSY FISHING STILT-HOUSE VILLAGE

Filipa Almeida; Ana Lúcia Virtudes

ICEUBI2015-20.05- ICT FOR SMART EVALUATION OF VERNACULAR ARCHITECTURE: PALHOTA THE EXPECTANT STILT-HOUSE VILLAGE

Filipa Almeida; Ana Lúcia Virtudes

ICEUBI2015-20.06- ICT FOR SMART EVALUATION OF VERNACULAR ARCHITECTURE: PATACÃO DE CIMA THE FORGOTTEN STILT-HOUSE VILLAGE

Filipa Almeida; Ana Lúcia Virtudes

ICEUBI2015-20.07- PROJETO E CONSTRUÇÃO VIRTUAL DAS INSTALAÇÕES HIDROSSANITÁRIAS

José de Paula Barros Neto; João Bosco Pinheiro Dantas Filho; Bruno Maciel Angelim; Joana Pimentel Guedes; Marcelo Augusto Farias de Castro

14H00-15H30- SESSION ICEUBI2015 - 21



Construction

Auditorium 8.1

CHAIRMEN: Szymon Dawzynski and Marisa Dinis

ICEUBI2015-21.01- DESEMPENHO TÉRMICO DAS PAREDES DE FACHADA EM PORTUGAL

Beatriz Viegas de Oliveira

ICEUBI2015-21.02- A MODELAÇÃO DO COMPORTAMENTO DOS PORTUGUESES EM CASO DE INCÊNDIO

Elisabete da Cunha Cordeiro; António Leça Coelho; Miguel Nepomuceno; João Craveiro

ICEUBI2015-21.02- A MODELAÇÃO DO COMPORTAMENTO DOS PORTUGUESES EM CASO DE INCÊNDIO

Elisabete da Cunha Cordeiro; António Leça Coelho; Miguel Nepomuceno; João Craveiro

ICEUBI2015-21.03- LONG-TERM COMPARATIVE TESTS OF RC BEAMS STRENGTHENED WITH CFRP STRIP AND SRP TAPE

Marcin Górski; Rafal Krzywón; Szymon Dawczynski

ICEUBI2015-21.04- EXECUÇÃO DE ESTRUTURA EM CONCRETO ARMADO E PROTENDIDO APARENTE DE ALTO DESEMPENHO: ESTUDO DE CASO DA SUPERESTRUTURA DO NOVO MIS - MUSEU DA IMAGEM E DO SOM, EM COPACABANA, RJ

Bruno Lery Santos; Helcio Moraes; Marcio Machado

ICEUBI2015-21.05- O USO DE MATERIAL FRESADO EM MISTURAS BETUMINOSAS TEMPERADAS

Márcia Lopes Afonso; Marisa Dinis-Almeida





→ **14H00-15H30- SESSION ICEUBI2015 - 22**



Rehabilitation of Monastic Heritage 1- Room 8.6

CHAIRMEN: María Teresa Pérez Cano and Ana Maria Martins

ICEUBI2015-22.01- NUEVOS USOS DE LA ARQUITECTURA MONÁSTICA EN CÓRDOBA: LOS CUARTELES MILITARES.

Pérez Cano, María Teresa; Morcillo Arencibia, José Antonio; Royo Naranjo, Lourdes

ICEUBI2015-22.02- PERMANENCIA, ADAPTACIÓN O REUTILIZACIÓN. TRANSFORMACIONES DE LOS CONVENTOS EN LA CIUDAD DE SEVILLA.

Antonio Cubero Hernández; María Teresa Pérez Cano

ICEUBI2015-22.03- PLANOS DE MOSTEIROIS CISTERCIENSES PORTUGUESES: REGRAS EXISTENTES OU NÃO?

Ines Daniel de Campos; Ana Maria Tavares Martins

ICEUBI2015-22.04- REHABILITACIÓN-ARQUITECTURA-CIUDAD. LA INTERVENCIÓN DE EDUARDO SOUTO DE MOURA EN EL CONVENTO DAS BERNARDAS DE TAVIRA

Luis Rubiño Chacón

→ **14H00-15H30- SESSION ICEUBI2015 - 23**



Hydraulic and Environment / Teaching Engineering- Room 8.8

CHAIRMEN: Cristina Fael and António Albuquerque

ICEUBI2015-23.01- AVALIAÇÃO DE DISPONIBILIDADES HIDRICAS EM BACIAS HIDROGRÁFICAS NÃO MONITORIZADAS - CASO DE ESTUDO

Joana Margarida Monteiro Raposo; Maria Manuela Portela; Cristina Sena Fael

ICEUBI2015-23.02- IDENTIFICAÇÃO E CARACTERIZAÇÃO DAS BACIAS DE CAPTAÇÃO SUPERFICIAL DE ÁGUA PARA ABASTECIMENTO QUANTO A PRESENÇA DE DISPOSIÇÃO FINAL DE RESÍDUOS SÓLIDOS

ICEUBI2015-23.03- STUDY OF PERMEABLE PAVEMENTS IN URBAN AREAS EVALUATION OF HIS EFFICIENCY IN ORDER TO REDUCE THE RUNOFF

Cátia Filipa Carvalho; Marisa Dinis-Almeida; Cristina Sena Fael

ICEUBI2015-23.04- AULAS POR UNA SOCIEDAD SOSTENIBLE: INGENIERÍA Y ARQUITECTURA DESDE LA EDUCACIÓN OBLIGATORIA. UNA EXPERIENCIA EN ENSEÑANZA SECUNDARIA

Javier Encinas Hernández

ICEUBI2015-23.05- O ESTUDANTE DA ENGENHARIA GERANDO UM PRODUTO ÚTIL PARA SOCIEDADE DE EDUCAÇÃO

Jhonata Cirilo de Souza; Bruno de Santos; Ana Brasil; Márcia Motta Pimenta Velloso, DSC; Lucas Carvalho Orofino; David de Azevedo Esteves

ICEUBI2015-23.06- O ESTUDANTE DE ENGENHARIA GERANDO UM PRODUTO EDUCACIONAL ÚTIL PARA A SOCIEDADE

Bernardo Baptista Ribeiro; Victor Baptista Schnellrath; Márcia Motta Pimenta Velloso, DSC; Bruno de Santos; Ana Brasil; Gabriel Panza Vieira Pinto

→ **14H00-15H30- SESSION ICEUBI2015 - 24**



Traditional Buildings - Their Contribution for a Better Sustainable World 1- Room 8.10

CHAIRMEN: Jorge Tiago Pinto and Luiz Oliveira

ICEUBI2015-24.01- ESTUDO COMPARATIVO DE SOLUÇÕES DE REABILITAÇÃO ENERGÉTICA DE EDIFÍCIOS ANTIGOS - A QUINTA DA FONTE NOVA

Margarida Conceição; Ana Ferreira Ramos



ICEUBI2015-24.02- ALTERNATIVAS EFICIENTES NA CONSTRUÇÃO CIVIL POPULAR: ESTUDO DE FACHADAS RESIDENCIAIS NO MORRO DO ATALAIA

Tamara Teixeira Lopes; Hellyda Perroud Souza

ICEUBI2015-24.03- BIODEGRADAÇÃO DE PAREDES DE TABIQUE

Anabela Paiva; Jorge Pinto; Teresa Pinto; Sandra Pereira; Ana Briga Sá

ICEUBI2015-24.04- MECHANICAL MODELLING OF TABIQUE WALLS NAILS OF THE ALTO DOURO WINE REGION

Rui José Silva Cardoso; Anabela Gonçalves Correia de Paiva; Jorge Tiago Queirós da Silva Pinto; João Carlos Gonçalves Lanzinha

ICEUBI2015-24.05- THREE REHABILITATION CASES OF TABIQUE CONSTRUCTION

Sandra Pereira; Jorge Pinto; Ana Príncipe

→ **14H00-15H30- SESSION ICEUBI2015 - 25**



Urban Riverfronts- Room 8.12

CHAIRMEN: David Sousa-Rodrigues and Jorge Jular

ICEUBI2015-25.01- CIDADE, ESPAÇO PÚBLICO E FRENTE DE RIO. PROJETO DE REGENERAÇÃO EM RIBEIRA DE SANTARÉM

Rita Ochoa; David Quinas

ICEUBI2015-25.02- RANDOM-WALK CONNECTIVITY OF LISBON'S WATERFRONT IN THE POST-1755 RECONSTRUCTION

Mafalda Sampayo; David Sousa-Rodrigues

ICEUBI2015-25.03- OS GALPÕES DO PORTO DE VITÓRIA: UM PATRIMÔNIO A SER PRESERVADO

Luciana Nemer Diniz; Lívia Santos de Moraes

ICEUBI2015-25.04- PROGRAMA POLIS PARA FRENTE RIBEIRINHA DE SETÚBAL: AVALIAÇÃO QUALITATIVA DO ESPAÇO PÚBLICO DE 1900 A 2015

Sara Lança; Mafalda Sampayo

ICEUBI2015-25.05- PROGRAMA POLIS PARA A FRENTE RIBEIRINHA DE SETÚBAL: AVALIAÇÃO QUANTITATIVA DO ESPAÇO PÚBLICO DE 1900 A 2013

Sara Lança; Mafalda Sampayo

ICEUBI2015-25.06- ATIVIDADE PORTUÁRIA E CONFLITOS TERRITORIAIS NA VITÓRIA METROPOLITANA

Minieli Fim; Martha Machado Campos

ICEUBI2015-25.07- CIDADE PORTUÁRIA E VIDA URBANA: SOBRE CONFLITOS ENTRE PROJETOS E LUGARES

Nathalia Spala Sorte; Martha Machado Campos

→ **15H00-16H00- SESSION ICEUBI2015 - Poster**

Poster Session- Room Atrium

ICEUBI2015-P.01- DEVELOPMENT OF MOBILE ULTRASONIC HYDROSTATIC LEVELLING SYSTEM

Adelino Jorge Coelho Pereira

ICEUBI2015-P.02- WEAR BEHAVIOR OF STEELS FOR ALUMINUM EXTRUSION DIES

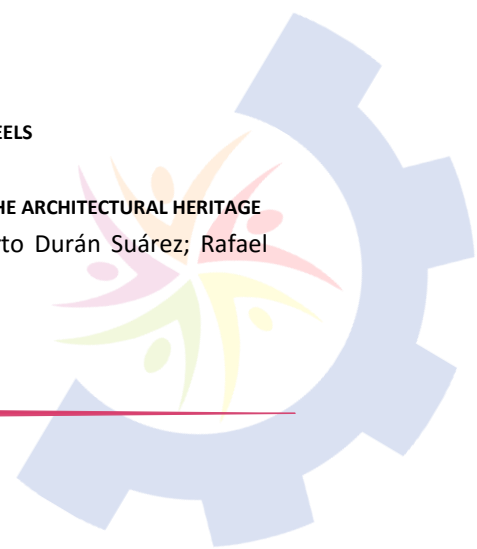
A. Varela; J. L. Mier; C. Camba; A. García; A. Filgueira; B. Del Río

ICEUBI2015-P.03- ABRASIVE WEAR BEHAVIOR OF HADFIELD TYPE MEDIUM-MANGANESE STEELS

B. Del Río; A. Varela; J. L. Mier; F. Barbadillo; A. García; A. Filgueira

ICEUBI2015-P.04- PSEUDOCERAMIC MORTAR AS A RESTORATION MATERIAL OF BRICKS OF THE ARCHITECTURAL HERITAGE

Abílio P. Silva; Honorato Justicia Muñoz; Jesús Montoya Herrera; Jorge Alberto Durán Suárez; Rafael Peralbo Cano





ICEUBI2015-P.05- QUALITY OF NEW CERAMIC MATERIALS OBTAINED WITH TUNGSTEN MINING WASTE: NEO MINERALS FORMED MULLITE AND HEMATITE.

João Paulo de Castro Gomes; Honorato Justicia Muñoz; Jorge Alberto Duran Suarez; Jesus Montoya Herrera; Rafael Peralbo Cano

ICEUBI2015-P.06- NUMERICAL ANALYSIS OF COMPOSITE MATERIALS IN FLEXSPLINES OF HARMONIC DRIVES

Piotr Folega; Abílio P. Silva; Tomasz Wegrzyn; Jan Piwnik

ICEUBI2015-P.07- QUALITY ANALYSIS OF COTTON FABRICS DYED IN PROTIC IONIC LIQUIDS

Helen Ronise Mazzer; Lucio Cardozo Filho; Fábria Regina Ribeiro; Rebecca S. Andrade; Gilson dos Santos Croscato; Miguel Angel Iglesias Duro

ICEUBI2015-P.08- KNOWLEDGE EXTRACTION IN QUEUE SYSTEM USING DATA MINING MODELS

Tiago Miguel Pereira Candeias

ICEUBI2015-P.09- THE PERFORMANCE OF BUILDINGS, AND THE SMALL CONSTRUCTION CONCERNS

Karine Lopes Ferreira; Maria Aparecida Steinherz Hippert

ICEUBI2015-P.10- VARIATIONS IN REACTIVE POWER DUE TO IMBALANCES IN LINEAR THREE-PHASE SYSTEMS

M. A. Graña López; J. D. Chouza-Gestoso; A. E. Masdías-Bonome

ICEUBI2015-P.11- EQUIVALENT CIRCUIT OF A DYN TRANSFORMER BY USING THE UNIFYING THEORY OF ELECTRIC POWER

J.D. Chouza-Gestoso; M.A. Graña- López; A.E. Masdías-Bonome

ICEUBI2015-P.12- A DEVICE FOR EARLY PARKINSON DISEASE DIAGNOSIS

Joana Noivo; Emilia Bigotte; Rodolfo Silva; José Pedro Amaro

ICEUBI2015-P.13- 3D IMAGING OF P-WAVES VELOCITY AS A TOOL FOR HEAT INDUCED LIMESTONE DECAY EVALUATION AND SUBSEQUENT CONSOLIDATION

Manuela Mendes; Amélia Dionísio; Edite Martinho

ICEUBI2015-P.14- CONSOLIDATION OF LIMESTONE THERMALLY DAMAGED BY FIRE: PRELIMINARY RESULTS

Magda Viana; Amélia Dionísio; Vera Pires

→ **16H00-17H30- SESSION ICEUBI2015 - 26**

Rehabilitation of Buildings and Satisfaction of Contemporary Requirements 3



Auditorium 8.1

CHAIRMEN: Eduardo Qualharini and João Lanzinha

ICEUBI2015-26.01- MARIEE: UM INSTRUMENTO DE APOIO AO PROJETO DE SEGURANÇA AO INCÊNDIO NA REABILITAÇÃO DE EDIFÍCIOS

António Leça Coelho; Elisabete da Cunha Cordeiro

ICEUBI2015-26.02- ARGAMASSAS FOTOCATALÍTICAS: ATIVIDADE AUTOLIMPANTE SEGUNDO A ORIENTAÇÃO SOLAR.

João Pedro Marins Treviso; Denise Carpena Coitinho Dal Molin; Jéssica Deise Bersch

ICEUBI2015-26.03- PREVISÃO DA RESISTÊNCIA DE GEOPOLÍMEROS MONOFÁSICOS

Abdollahnejad, Z. Nazari, A. Pacheco-Torgal, F. Sanjayan, J.G. Barroso de Ag

ICEUBI2015-26.04- SMART TEXTILES FOR STRENGTHENING OF STRUCTURES

Rita Salvado; Marcin Górski; Catarina Lopes; Rafal Krzywón; Pedro Araújo; Szymon Dawczynski; Fernando José Velez; Leszek Szojda; João Castro-Gomes

ICEUBI2015-26.05- INVESTIGAÇÃO EXPERIMENTAL SOBRE COMPOSIÇÃO, RESISTÊNCIA MECÂNICA E CAPACIDADE DE AUTO-LIMPEZA DE ARGAMASSAS FOTOCATALÍTICAS

Azevedo; N.; Miraldo, S.; Abdollahnejad, Z.; Pacheco-Torgal, F.; Aguiar, J.

ICEUBI2015-26.06- ESTADO GERAL DOS POSTES CILÍNDRICOS EM CONCRETO ARMADO NA CIDADE DO RIO DE JANEIRO

Amaro Francisco Codá dos Santos; Jorge Luiz Alves Junior; Luiz Henrique Araújo do Nascimento



16H00-17H30- SESSION ICEUBI2015 - 27



Rehabilitation of Monastic Heritage 2- Room 8.6

CHAIRMEN: Eduardo Mosquera Adell and Ana Maria Martins

ICEUBI2015-27.01- A PERTINÊNCIA DO PROJETO ORFEUS NO ÂMBITO DA INVESTIGAÇÃO SOBRE O PATRIMÓNIO MONÁSTICO CISTERCIENSE PORTUGUÊS

Ana Maria Tavares Martins

ICEUBI2015-27.02- EL EXCONVENTO DE SAN AGUSTIN DE SEVILLA. BASES PATRIMONIALES PARA SU INTERVENCIÓN

María Teresa Pérez Cano; Eduardo Mosquera Adell

ICEUBI2015-27.03- LOS ORIGENES DE LA REUTILIZACIÓN DEL PATRIMONIO MONÁSTICO: LA TRANSFORMACIÓN INDUSTRIAL EN EL SIGLO XIX TRAS LA DESAMORTIZACIÓN. EL CASO DE JEREZ DE LA FRONTERA (ESPAÑA).

José-Manuel Aladro-Prieto

ICEUBI2015-27.04- O RENASCIMENTO EM PORTUGAL E A SUA MARCA NO CLAUSTRO DO CONVENTO DE CRISTO, EM TOMAR

Tiago Rodrigues

16H00-17H30- SESSION ICEUBI2015 - 28



Assessment, Diagnosis, Energy efficient and Refurbishment for Sustainability- Room 8.8

CHAIRMEN: Anabela Paiva and Miguel Nepomuceno

ICEUBI2015-28.01- APLICAÇÃO DO CERMA A UM EDIFÍCIO DE HABITAÇÃO – ANÁLISE DE RESULTADOS COM A UTILIZAÇÃO DE DIFERENTES EQUIPAMENTOS.

Marisa Pombo; Ana Ferreira Ramos

ICEUBI2015-28.02- SELEÇÃO EXIGENCIAL DE ISOLANTES TÉRMICOS

Manuel Pinto

ICEUBI2015-28.03- QUALIDADE DO AMBIENTE INTERIOR EM LARES E JARDINS DE INFÂNCIA NA CIDADE DA COVILHÃ - ESTUDO EXPLORATÓRIO

João C. G. Lanzinha; Tiago Freire; Albino Alves; Manuel Pinto

ICEUBI2015-28.04- MEDIDAS DE REDUÇÃO DE CONSUMOS ENERGÉTICOS EM EDIFÍCIOS DE SERVIÇOS: ESTUDO DE CASO

Luis Carlos Carvalho Pires; Pedro Nuno Dinho Pinto da Silva; João André Andrade Amado; Cíntia Angélica dos Santos Fernandes

ICEUBI2015-28.05- MEDIDAS DE REDUÇÃO DE CONSUMOS ENERGÉTICOS EM PISCINAS PÚBLICAS: ESTUDO DE CASO

Cíntia Angélica dos Santos Fernandes; João André Andrade Amado; Luis Carlos Carvalho Pires; Pedro Nuno Dinho Pinto da Silva

ICEUBI2015-28.06- ESTUDO DE UM CASO DE APLICAÇÃO DE UNIDADES DE PRODUÇÃO PARA AUTOCONSUMO (UPACs) FOTOVOLTAICAS EM EDIFÍCIOS DOMÉSTICOS

Luis Carlos Carvalho Pires; Pedro Nuno Dinho Pinto da Silva; João Miguel Lemos Sena

16H00-17H30- SESSION ICEUBI2015 - 29



Traditional Buildings - Their Contribution for a Better Sustainable World 2- Room 8.10

CHAIRMEN: Jorge Tiago Pinto and Marisa Dinis

ICEUBI2015-29.01- CONTRIBUIÇÃO PARA O CONHECIMENTO DAS PATOLOGIAS DE ORIGEM GEOTÉCNICA NA CIDADE DA COVILHÃ

Luis Manuel Ferreira Gomes; H.H. Figueiredo Baptista; L.J. Andrade Pais





ICEUBI2015-29.02- CONTRIBUTO PARA O ESTUDO DA VULNERABILIDADE ESTRUTURAL DE PONTES FERROVIÁRIAS METÁLICAS ANTIGAS: PONTE SOBRE O RIO CORGO

Ana Briga Sá; Isabel Bentes; Jorge Pinto; Daniel Morgado

ICEUBI2015-29.03- CHARACTERIZATION OF TABIQUE WALLS NAILS OF THE ALTO DOURO WINE REGION

Rui Jose Silva Cardoso; Anabela Gonçalves Correia de Paiva; Jorge Tiago Queirós da Silva Pinto; João Carlos Gonçalves Lanzinha

ICEUBI2015-29.04- EL EDIFICIO DE LA ESTACIÓN DE ALTA VELOCIDAD FERROVIARIA: PUERTA DE ACCESO A LA RED

Carmen Mota Utanda; Miguel àngel López Guerrero

ICEUBI2015-29.05- COMPARAÇÃO E ANÁLISE DE PROPRIEDADES FÍSICAS E DE RESISTÊNCIA À COMPRESSÃO DE CONCRETOS COM E SEM ADIÇÃO MINERAL

David Brandão Nunes; Ana Verônica Gonçalves Borges; Antônio Eduardo Bezerra Cabral; Maria Josefina Positieri; Angel Oshiro

→ **16H00-17H30- SESSION ICEUBI2015 - 30**



Thermal Behavior and Materials- Room 8.12

CHAIRMEN: Dominik Dorosz and Jorge Durán Suarez

ICEUBI2015-30.01- CARACTERIZAÇÃO DO COMPORTAMENTO TÉRMICO DE UM ARMÁRIO EXTERIOR DE TELECOMUNICAÇÕES MÓVEIS

Carlos Patrício; Pedro D. Silva; Luís Pires; Pedro D. Gaspar

ICEUBI2015-30.02- ESTUDO NUMÉRICO DO DESEMPENHO TÉRMICO DE UM ARMÁRIO EXTERIOR PARA EQUIPAMENTOS DE TELECOMUNICAÇÕES MÓVEIS

Miguel Vicente Duarte; Pedro Miguel de Figueiredo Dinis Oliveira Gaspar; Pedro Nuno Dinho Pinto da Silva; Luís Carlos Carvalho Pires

ICEUBI2015-30.03- CARBON LAMINATES WITH RE DOPED OPTICAL FIBER SENSORS

Miluski P.; Jacek Zmojda; Dorosz D; Marcin Kochanowicz; Silva AP; Reis PNB

ICEUBI2015-30.04- EVALUATION OF SINGLE OPTICAL FIBER IN TEMPERATURE ANALYSIS ON FRP COMPOSITES

Doroz D.; Reis P.N.B.; Jorge Santos Rato; Silva A.P.; Ricardo Henriques; Miluski P.

ICEUBI2015-30.05- APPLICATIONS OF NUCLEAR REACTIONS AND ELASTIC SCATTERING TO NON-DESTRUCTIVE SURFACE ANALYSIS OF MATERIALS

José A. R. Pacheco de Carvalho

→ **20:00– Conference Dinner - HOTEL TRYP D. Maria - Alameda Pêro da Covilhã**





→ **09H00-10H30- SESSION ICEUBI2015 - 31**

Rehabilitation of Buildings and Satisfaction of Contemporary Requirements 4



Auditorium 8.1

CHAIRMEN: Eduardo Qualharini and Luiz Oliveira

ICEUBI2015-31.01- O RETROFIT COMO FERRAMENTA DE DESENVOLVIMENTO SOCIAL E CULTURAL: CASO DA BIBLIOTECA PARQUE ESTADUAL - RIO DE JANEIRO

Maiane Ramos da Silva; Paula Tachlitsky,

ICEUBI2015-31.02- REABILITAÇÃO DOS HOTÉIS DA REGIÃO PORTUÁRIA DE VITÓRIA PARA FINS DE HABITAÇÃO SOCIAL

Luciana Nemer Diniz

ICEUBI2015-31.03- INSTALAÇÕES DE ESGOTOS SANITÁRIOS EM EDIFÍCIOS RESIDENCIAIS: PATOLOGIAS, DIAGNÓSTICO E TERAPIA

Paulo César Corrêa Vieira; Jorge Moya Rodríguez; José Antônio da Silva Souza

ICEUBI2015-31.04- ILUMINAÇÃO E EFICIÊNCIA ENERGÉTICA EM EDIFÍCIOS: REABILITAÇÃO E ANÁLISE DE PROJETOS PELO USO DO LED

Moura, Mariangela; Motta, Ana L.T.S; Noya, Maurício

ICEUBI2015-31.05- TESTES COM NEVOEIRO SALINO EM PEDRA NATURAL. O CASO DE TRÊS CALCÁRIOS ORNAMENTAIS PORTUGUESES.

Vera Pires; António Carlos Galhano; Joaquim Simão

ICEUBI2015-31.06- GESTÃO DE RESÍDUOS DE CONSTRUÇÃO E DEMOLIÇÃO NO PROCESSO DE RETROFIT

Nathália Rodrigues Julião; Thaiane dos Santos Rebêlo

→ **09H00-10H30- SESSION ICEUBI2015 - 32**



Food Engineering and Properties 1- Room 8.6

CHAIRMEN: Raquel Guiné and Paula Correia

ICEUBI2015-32.01- CHEMICAL AND SENSORIAL PROPERTIES OF BEETROOT JAM

Ana Rita F. Roque; Fernando J. A. Gonçalves; Paula M. R. Correia; Raquel P. F. Guiné

ICEUBI2015-32.02- DEVELOPMENT AND CHARACTERIZATION OF WHEAT BREADS WITH ACORN FLOUR

Paula Correia; Marta Gonzaga; Miguel Batista; Raquel P. F. Guiné

ICEUBI2015-32.03- ESTUDO COMPARATIVO DA SECAGEM DA COURGETTE POR AR QUENTE E POR INFRAVERMELHOS - CURVAS CINÉTICAS E DIFUSIVIDADE EFETIVA DA HUMIDADE

Maria Nazaré Coelho Marques Pinheiro; Rita de Oliveira Madaleno; Luis Miguel moura Neves de Castro; Laura Maria Teixeira Santos

ICEUBI2015-32.04- FACTORS AFFECTING BLUEBERRY PHYSICAL-CHEMICAL PROPERTIES

Fernando Gonçalves; Daniela V. T. A. Costa; Raquel P. F. Guiné; Christophe F. Gonçalves

ICEUBI2015-32.05- MODELING OF THE PHENOLIC COMPOUNDS AND ANTIOXIDANT ACTIVITY OF BLUEBERRIES BY ARTIFICIAL NEURAL NETWORKS FOR DATA MINING

Susana Matos; Fernando Gonçalves; Daniela V. T. A. Costa; Mateus Mendes; Raquel P. F. Guiné





→ 09H00-10H30- SESSION ICEUBI2015 - 33



Energy Efficiency in the Agrifood Sector 1- Room 8.8

CHAIRMEN: Maria Paula Simões and Pedro Dinis Gaspar

ICEUBI2015-33.01- APLICABILIDADE DE INDICADORES DE TEMPO-TEMPERATURA NO APOIO À DEGUSTAÇÃO DE PRODUTOS GOURMET

Luís Pinto de Andrade; José Nunes; João Araújo; Pedro Dinis Gaspar; Pedro Dinho da Silva

ICEUBI2015-33.02- ANÁLISE DAS CONDIÇÕES DE CONFORTO EM AMBIENTES REFRIGERADOS

Eduardo Fernandes; José Nunes; Pedro D. Silva; Pedro D. Gaspar; Luís Pires

ICEUBI2015-33.03- DISPOSITIVOS DE MONDA MECANIZADA/AUTOMÁTICA - ESTADO DA ARTE

Maria Paula Simões; Marco Lopes; Pedro Dinis Gaspar; Fernando Bigares Santos

ICEUBI2015-33.04- SENSORIZAÇÃO DE FRUTOS E LEGUMES NO CAMPO E EM MEIO INDUSTRIAL - ESTADO DE ARTE

Marco Lopes; Pedro Dinis Gaspar; Fernando Bigares Charrua Santos; Maria Paula Simões

→ 09H00-10H30- SESSION ICEUBI2015 - 34



Industrial Management, Production and Maintenance 1- Room 8.10

CHAIRMEN: Adérito Alcaso and Carlos Cabrita

ICEUBI2015-34.01- APLICAÇÃO DA LÓGICA DIFUSA PARA AVALIAR O NÍVEL LEAN DE UMA ORGANIZAÇÃO

António Abreu; J. M. F. Calado; João Vargas

ICEUBI2015-34.02- MODEL TO SUPPORT THE LEAN BUILDING MAINTENANCE (LBM)

António Abreu; Carlos Dias; José Requeijo

ICEUBI2015-34.03- OVERALL SERVICE EFFICIENCY (OSE) OF A CONDITION MONITORING SERVICE THROUGH GAP ANALYSIS

Sobral, J.; Roque, A.

ICEUBI2015-34.04- OVERALL SERVICE EFFICIENCY (OSE) OF A CONDITION MONITORING SERVICE THROUGH GAP ANALYSIS

Sobral, J.; Roque, A.

→ 09H00-10H30- SESSION ICEUBI2015 - 35



Geotechnics, Geologics and Minning 1- Room 8.12

CHAIRMEN: Edite Martinho and Paulo Carvalho

ICEUBI2015-35.01- ANÁLISE DA IMPORTÂNCIA DOS FATORES CONDICIONANTES DA ESTABILIDADE DAS ARRIBAS NA COSTA ROCHOSA DO ALGARVE

Luís Pais

ICEUBI2015-35.02- ESTUDIO COMPARATIVO DE MODELOS DE CÁLCULO PARA EL DISEÑO DE MUROS PANTALLA

Ricardo Rio; Miguel Paula; Manuel Braz-César

ICEUBI2015-35.03- CARACTERIZAÇÃO DE RCDs COM VISTA À UTILIZAÇÃO EM CAMADAS GRANULARES DE PAVIMENTOS RODOVIÁRIOS

Renato Gonçalves; Rosa Luzia; Cátia Costa

ICEUBI2015-35.04- AMOSTRAGEM COMBINADA DE UM SOLO RESIDUAL GRANÍTICO

Luís José Andrade Pais



→ **11H00 - 12H00- SESSION ICEUBI2015 - 36**

Energy



Auditorium 8.1

CHAIRMEN: Maria Rosário Calado and Miguel Nepomuceno

ICEUBI2015-36.01- TURBINAS EÓLICAS ESTUDO DE POTÊNCIA ACTIVA USANDO ESTATÍSTICA CIRCULAR

Alda Carvalho; Cláudia Sequeira; João Gonçalves; Nuno Henriques

ICEUBI2015-36.02- ANÁLISE DE TEMPERATURAS GEOTÉRMICAS PARA APLICAÇÃO DE BOMBAS DE CALOR NO PARANÁ

Heraldo J. L. de Souza; Mauricio P. Cantão; Pedro D. Gaspar; Alexandre F. Santos

ICEUBI2015-36.03- DEVELOPMENT AND ANALYSIS OF A TESLA TURBINE LABORATORY MODEL

Cláudia Séneca Casaca; Nuno Paulo Ferreira Henriques; Pedro Miguel Tavares Gaspar

ICEUBI2015-36.04- AVALIAÇÃO DO DESEMPENHO DE ARGAMASSAS DE REVESTIMENTO COM AGREGADOS LEVES ARTIFICIAIS E RECICLADOS

Luiz António Pereira de Oliveira; Paula Alexandra Gil Barroca; Miguel Costa Santos Nepomuceno

→ **11H00 - 12H00- SESSION ICEUBI2015 - 37**

Food Engineering and Properties 2- Room 8.6



CHAIRMEN: Raquel Guiné and Maria Paula Simões

ICEUBI2015-37.01- PHYSICAL PROPERTIES OF PHYSALIS PERUVIANA L.

Raquel P. F. Guiné; Solange F. Oliveira; Fernando J. A. Gonçalves; Paula M. R. Correia

ICEUBI2015-37.02- PHYSICAL-CHEMICAL PROPERTIES OF BLUEBERRY AS INFLUENCED BY PRODUCTION AND CONSERVATION PROCESSES

Daniela V. T. A. Costa; Christophe F. Gonçalves; Raquel P. F. Guiné; Fernando Gonçalves

ICEUBI2015-37.03- PHYSICAL-CHEMICAL PROPERTIES OF COREMA ALBUM (WHITE CROWBERRY OR CAMARINHA)

Raquel P. F. Guiné; Sonia C. Andrade; Fernando J. A. Gonçalves

ICEUBI2015-37.04- COBERTURA DO SOLO COM MANTA ECOBLANKET EM POMAR DE PESSEGUEIROS: EFEITO EM ALGUNS PARÂMETROS FÍSICO-QUÍMICOS DO SOLO

Anabela Barateiro; Amarilis de Varennes; Cristina Ramos; Maria Paula Simões; Preciosa Fragoso; Dora Ferreira; Sandra Lopes; Catarina Santos; Isabel Castanheira

→ **11H00 - 12H00- SESSION ICEUBI2015 - 38**



Energy Efficiency in the Agrifood Sector 2- Room 8.8

CHAIRMEN: Luís Pinto de Andrade and Pedro Dinho da Silva

ICEUBI2015-38.01- AVALIAÇÃO ENERGÉTICA DAS CENTRAIS DE FRUTA DA REGIÃO DA BEIRA INTERIOR

L.P. Andrade; P.D. Gaspar; J. Nunes; P.D. Silva

ICEUBI2015-38.02- CARACTERIZAÇÃO DA UTILIZAÇÃO DOS FRIGORÍFICOS DOMÉSTICOS E DO DESPERDÍCIO ALIMENTAR NA COMUNIDADE ESTUDANTIL DA UNIVERSIDADE DA BEIRA INTERIOR

Pedro Dinho da Silva; Luís Carvalho Pires; Diogo Galvão; Pedro Dinis Gaspar

ICEUBI2015-38.03- ESTUDO COMPARATIVO DE PROCESSOS DE SECAGEM DA CEREJA

P.D. Silva; L.P. Andrade; L.Pires; R. Tomé; J. Nunes; P.D. Gaspar





11H00 - 12H00- SESSION ICEUBI2015 - 39



Industrial Management, Production and Maintenance 2- Room 8.10

CHAIRMEN: João Matias and Davide Fonseca

ICEUBI2015-39.01- METODOLOGIA SEIS SIGMA APLICADA AO ESTUDO DA INEXATIDÃO EM LABORATÓRIOS CLÍNICOS

José Gomes Requeijo; Ana Paula Faria; Ana Raquel Vital Gaspar

ICEUBI2015-39.02- CONTROLO ESTATÍSTICO DO PROCESSO PARA NÚMERO REDUZIDO DE DADOS

Ana Sofia Matos; António Abreu; José Gomes Requeijo

ICEUBI2015-39.03- UNDERSTANDING DYNAMICS OF INNOVATION BASED ON SYSTEM THINKING

Paula Urze; António Abreu

ICEUBI2015-39.04- DESIGN FOR LEAN PRODUCTION NA MELHORIA DE UM COMPONENTE AUTOMÓVEL

Luís F. Silva; Eurico Seabra; Mariana Correia; Joaquim Barbosa; Anabela Alves

11H00 - 12H00- SESSION ICEUBI2015 - 40



Geotechnics, Geologies and Mining 2- Room 8.12

CHAIRMEN: Paulo Carvalho and Luis Ferreira Gomes

ICEUBI2015-40.01- MELHORAMENTO DE SOLO SILTO-ARGILOSO COM CAL HIDRÁULICA COM VISTA À SUA UTILIZAÇÃO EM ESTRADAS

David Oliveira; Rosa Luzia

ICEUBI2015-40.02- A UTILIZAÇÃO DE PLATAFORMAS ABERTAS EM SIG PARA FINS GEOTÉCNICOS

Carlos Manuel Rodrigues; António Figueiredo Monteiro; Luís José Pais

ICEUBI2015-40.03- EVALUATION OF THE DAMAGING EFFECTS OF CHALK AS MARKING TECHNIQUE IN THE GRANITE OUTCROPS WITH ROCK ART.

José Santiago Pozo Antonio; Sandra Fernández Rodríguez; Teresa Rivas; Fernando Carrera Ramirez

ICEUBI2015-40.04- GEORGIA MARBLE AT THE MINNESOTA STATE CAPITOL; THE EFFECTS OF MINERALOGY AND CLIMATE ON DURABILITY

Paul Whitenack



Figura 1 -Quadro da Sala dos Conselhos FEUBI



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