科学研究費助成事業 研究成果報告書

令和 4 年 8 月 3 1 日現在

機関番号: 24201

研究種目: 基盤研究(C)(一般)

研究期間: 2018~2021 課題番号: 18K04541

研究課題名(和文)STUDY ON THE SPANISH FORTIFIED CITY SYSTEM IN THE PHILIPPINES

研究課題名(英文) STUDY ON THE SPANISH FORTIFIED CITY SYSTEM IN THE PHILIPPINES

研究代表者

ヒメネス ホアンラモン (JIMENEZ, JUAN RAMON)

滋賀県立大学・環境科学部・准教授

研究者番号:10525281

交付決定額(研究期間全体):(直接経費) 3,300,000円

研究成果の概要(和文):本研究の主な目的は、フィリピン諸島におけるスペイン植民地時代の要塞都市システムの形成と変容に関する研究である。本研究では、スペイン植民地時代(1521年~1898年)の3世紀以上にわたって、海外からの攻撃から守るためにフィリピン諸島の沿岸部に作られた植民地時代の要塞都市の地理的位置、都市空間、建築に関する研究に焦点を当てる。この要塞都市の形成は、フィリピンとスペインの公文書館が所蔵する史料や地図の研究により明らかにされる予定である。また、現在の都市空間と建築の現地調査に基づいて、その変容を研究する。

研究成果の学術的意義や社会的意義

the Spanish colonial urbanization process in the Philippines was carried on through a model of religious-fortified city as part of a system of coastal defense, which has not yet been studied and is the main object of this investigation.

研究成果の概要(英文): The main aim of this research is the study on the Formation and Transformation of the Spanish Colonial Fortification City System in Philippine Islands. This research is focus on the study on the Geographical Location, Urban Spaces and Architecture of the Colonial Fortified Cities created during more than three centuries during Spanish colonial period (1521 to 1898) over the coasts of the archipelago of Philippines, with the purpose to protect against attacks from abroad. The formation of this fortified cities will be clarified by the studies of historical documents and maps from Archives of Philippines and Spain. The transformation study is based on the field survey of its current Urban Spaces and Architecture. Clarifying the fortification city system in the Philippines, this research seeks to contribute and expand knowledge of the past and heritage of these cities.

研究分野: 建築史および意匠関連

キーワード: Philipine Islands Spanish colonial City Fortifications

科研費による研究は、研究者の自覚と責任において実施するものです。そのため、研究の実施や研究成果の公表等については、国の要請等に基づくものではなく、その研究成果に関する見解や責任は、研究者個人に帰属します。

1. 研究開始当初の背景

Modern-époque fortifications in Hispano America and the Philippines were built in accordance with a paradigm shift, where the expansionist policies of Spain was the impetus for such significations of power in these regions. Insofar as studying Spanish colonial defensive systems are concerned, recent scholarly works have situated them against this backdrop. However, in studying their specific roles in the overall political, economic and religious interests behind monarchical Spain's annexation, particularly of Hispano America and the Philippines, authors tend to consider them in a vacuum. This disregards the two important aspects of these defensive systems. Firstly, their construction was very well orchestrated following a religious, civil and military strategy that was uniquely applied in these two regions. Secondly, these fortifications did not function in isolation. They functioned as part of a local, regional and intercontinental network. The omission of these two important aspects leaves a big gap in the discourse about the genesis and historical-constructive evolution of Hispano American and Philippine-Spanish colonial fortifications. Moreover, removing these aspects from the equation disengages Philippine-Spanish fortifications from their global linkage.

2. 研究の目的

The objective of this study is to identify the emerging types of colonial fortifications in these two regions that are ascribed to their specific functions as part of a local, regional and intercontinental network. The peculiarities in their functions as a network influenced their location and style. With this knowledge gained, Spanish colonial defensive systems in Hispano America and the Philippines can be better understood for the purpose of properly conserving their tangible and intangible values and attributes

3. 研究の方法

The groundwork of the research was through the lens of cartographical maps and historical recounts that assist in determining how these defensive systems furthered Spain's sovereignty in the two regions, which is the focus of this study. 4,077 maps have been surveyed from the Archivo General de Indias (AGI), 858 maps of the Servicio Histórico Militar (SHM) and the 830 maps of the Servicio Geográfico del Ejército (SGE), for a total of 5,765 maps. A total of 1,216 architectural and urban maps of defensive systems that were planned or constructed in Hispano American and Philippine territories during the Colonial Period were selected from the afore-mentioned sources for inclusion in this study.

Focus on the Philippines Fortification, compilation of documents and literary works regarding the Spanish fortifications, data gathering included the compilation of unpublished documents, maps and sketches on fortifications and on the establishment of towns in the archipelago during the Spanish occupation from the Philippine National Archives (PNA) and the Servicio Historico Militar (SHM). A survey of digital images of fortifications watchtowers have been conducted that were contributed by GIS sources. A geographical and territorial survey through maps was performed to further verify and analyze the forms and disposition of watchtowers relative to the church complex, as well as their strategic placements relative to landforms, terrain and other geographical features of the rural landscape. Field work was performed to document their varying conditions. From the in-situ data gathered, measured drawings of base plans, elevations, and sections of the most common types of watchtowers were then prepared to graphically represent how these were originally built.

4. 研究成果

(1) SPANISH COLONIAL FORTIFICATION SYSTEM.

The information provided by the Spanish colonial fortification maps were first classified according to five territories (1): North America (271 maps), Central America (250 maps), South America (274 maps), Caribbean (283 maps), and the Philippines (138 maps). Under the five territories, they were further classified into countries and places. Further categorizations of the architectural and urban maps were done according to location, period of construction, the emerging types and style. Historical recounts

and narratives of various authors about the Spanish expeditions, territorial discoveries, conquest, evangelization and colonization activities, as well as trading and warring events in these two regions were consulted.

Table 1 shows that within the 5 territories, there are places for which a relatively large number of urban and architectural maps of fortifications were produced from the 16th to the 19th centuries with almost 70% located in coastal areas. 805 out of 1,216 maps are of defensive systems located along the coast. There are 222 maps showing riverside locations, 96 were in-land while 93 are unknown or unspecified locations.

Based on the classification of these maps by periodization of production, there is a chronological order in the construction of defensive systems in these locations, that is from coastal areas to riverine territories and tributary waterways, and finally, to inland areas.

Table 2 indicates that the initial constructions took place in the 16th century with only 37 maps produced. In the 17th century, the number of maps increased five times, with more than 50% for coastal locations. About 25% of these maps produced were of river locations, indicating the onset of territorial defense along these waterways. The production of maps would peak during the 18th century, with an increase of more than 4 times from the 17th century. Although these

maps were predominantly of coastal locations, there is a major increase in the number of maps produced for riverside defense types as well as inland fortifications. This signals the intensification of control and defense of riverine and interior territories.

The sudden decline in the production of maps during the 19th century. This coincides with the interruption in such constructions due to the fight for independence. The protection of such missions and pueblos that are near mining sites in the mountainous territories or along interior river basins were necessary to facilitate the spread

Table 1 - Fortifications per Region,

	l Tortificat			Location		
Territory	Country	Coastal	River	Inland	Undete rmined	Total
	United States	29	83	1	25	138
North America	Mexico	103	11	6	13	133
1111101100					Subtotal	271
	Guatemala	1	1		1	3
	Nicaragua	3	18			21
	Honduras	25	3			28
Central	Panama	57	17	2	2	78
America	Costa Rica	2				2
	Colombia	95	12	6		113
	Ecuador	1	4	0	0	5
					Subtotal	250
	Argentina	4	13	1	1	19
	Chile	22	3	3	3	31
	Uruguay	28	9	1	4	42
	Bolivia		1			1
South	Brazil	1				1
America	Paraguay		5			5
	Undetermined	1			1	2
	Peru	38	2		2	42
	Venezuela	78	21	27	5	131
					Subtotal	274
	Cuba	147	4	27	15	193
	Dominican Republic	24	0	0	3	27
	Puerto Rico	29	1	0	1	31
	Haiti	2	0	1	0	3
Caribbean	Saint Martin	1	0	0	0	1
	Bahamas	1	0	0	0	1
	Trinidad y Tobago	8	0	0	2	10
	Guayana	2	8	7	0	17
					Subtotal	283
	Philippines	103	6	14	15	138
Asia					Subtotal	138
	Total	805	222	96	93	1,216

1 and defense of riverine and interior territories
Table 2 - Location of Defensive System and Timelines

		Α	GI						
Timeline	Coastal	River	Inland	Undeter mined	Coastal	River	Inland	Undeter mined	Total
16th	24	6		7					37
17th	128	50	9	14	1				202
18th	312	97	56	45	264	47	23	14	858
19th	21	11	1	2	53	11	7	9	115
unknown	1			2	1				4
Total	486	164	66	70	319	58	30	23	1,216

of the Catholic religion. Religious conversion was used to assimilate and gain control over the indigenous population who would extract or produce various commercial products for trading. These were transported by mule trains and then through river trade routes to their corresponding coastal transshipment ports to Europe. As the colonial situation in the Americas developed, the colonies were sending their riches systematically to Spain. Port cities emerged to cater to this commercial function, taking advantage of good geographical conditions for transit and transfer of fleets. Extensive fortifications were built to protect major trading port cities along coastal areas. The countries with the greatest number of maps produced are Cuba, United States, Philippines, Mexico, Venezuela and Colombia. This is owing to the defense of major trading ports like Havana, which is strategically positioned as a major hub for trading fleets that traveled to and from Europe in a convoy; San Agustin de la Florida in the United States; Veracruz in Mexico; Cartagena de Indias in Colombia, a major hub where silver is brought from Potosi to the transshipment ports of El Callao, Panama City and Portobelo; Puerto Cabello, Maracaibo and Cumana in Venezuela. In Asia, Philippine maps were produced mainly for fortifying Manila and Cavite. The extensive defense system along the coastal areas with at least one strategically established major port in all five territories, indicates that importance is given to the control of coastal waters to gain Spanish dominion over commercial trade. The increase in the number of maps

produced during the 17th and 18th centuries can be attributed to defensive systems of new port cities such as Panama City, Portobelo, El Callao, Puerto Cabello, and improvements done on existing ones to ensure their impregnability against attacks by the British, French and Dutch. New and large scale projects responded to the intensified international trade and to the advancement in warfare technology. Defensive systems that functioned in an intercontinental network were planned, including San Juan de Ulúa in Veracruz, Mexico, a principal port of New Spain in the Gulf of Mexico and San Diego in Acapulco de Juarez, a major port in the Pacific coast of Mexico. These two ports were the primary linkage of the trans Pacific trade route between Spain and the Philippines through the Manila Galleons. Cavite and Manila in the Philippines were the main Spanish trading ports in the Far East, acting as Europe's commercial link to China. Inland fortifications were essentially built during the 18th century in order to protect port cities from high ground and supplement the local network of defense. Examples are located in Cumaná and La Asunción in the Isla Margarita in Venezuela, as well as those in Havana, Cartagena de Indias, Guaira, among others.

(2) SPANISH COLONIAL FORTIFICATION TYPES

Based on their function in a local, regional and intercontinental network, the different types of defensive systems were constructed to serve their varying circumstances of defensive needs and depending on the technological advancements of the times. Table 3 shows their classification according to 4 main types of fortifications, namely Permanent Fortifications with 9 Subtypes; Parts of Permanent Fortifications with 8 Subtypes; Outworks with 7 Subtypes; and Field Fortifications with 5 Subtypes. The Permanent Fortifications are further classified into Urban Civic Fortifications and Urban Military Fortification. The number of maps that were produced for each type and subtype, the number of maps per location and the number of maps in terms of style or shape of plans.

(A) Permanent Fortifications

(A. 1) Urban Civic Fortifications Urban civic fortifications were constructed to protect urban settlements that are occupied by the general population. There are three subtypes under this category, namely the Plaza, the Ciudadela and the Fortificación. a) Plaza, Ciudad (Plaza): The plaza, also referred to as ciudad, plaza maritima, ciudad murada, is an Urban Civic Defensive type that circumvallated by extensive walls and several fortification types acting in a system. It is a type that was employed since distant periods in Europe. However, in the context of the Spanish colonial period it was used extensively to protect both major and minor trading port and cities is essentially located at coastal areas.

b) Ciudadela (Citadel): Based on their European precursors, the

Table 3 – Number of Maps According to Fortification

Тут	pes	Subtypes	Coastal	River	Inland	Undetermi ned	Total	Palisade d	Bastione d	Polygona l	Star	Geometri c	Undeter mined	Total
		Plaza	107	9	1	4	121	0	86	26	4	0	5	121
	Urban Civic	Ciudadela	4	2	2	0	8	0	4	2	1	1	0	8
tion		Fortification	47	6	0	0	53	2	23	14	12	0	2	53
Permanent Fortifications		Fuerte	202	90	44	44	380	21	102	177	46	7	27	380
Jort	ary	Castillo	180	50	22	3	255	2	70	145	17	8	13	255
l i	Military	Fortaleza	18	5	1	2	26	0	9	11	4	0	2	26
and		Casa Fuerte	4	4	0	4	12	1	5	2	0	1	3	12
Jern J	Urban	Presidio	7	12	0	1	20	1	3	11	3	0	2	20
"		Bateria	61	6	4	10	81	1	59	9	0	0	12	81
		Total	630	184	74	68	956	28	361	397	87	17	66	956
		Cortina	8	0	2	0	10	0	3	1	1	0	5	10
		Muralla	44	0	0	7	51	0	24	4	0	0	23	51
ent		Recinto	7	2	0	0	9	3	3	2	1	0	0	9
nan	ion	Torre	8	4	0	0	12	0	8	1	2	0	1	12
Parts of Permanent Fortification		Torreon	6	0	0	0	6	0	5	1	0	0	0	6
		Plataforma	3	0	0	0	3	0	3	0	0	0	0	3
Part	-	Baluarte	12	1	0	1	14	0	7	3	0	0	4	14
-		Baluartillo	1	0	0	0	1	0	0	1	0	0	0	1
		Total	89	7	2	8	106	3	53	13	4	0	33	106
		Outworks	17	3	5	2	27	0	3	0	0	18	6	27
		Reducto	24	9	3	9	45	2	16	12	2	0	13	45
١,	so.	Revellin	11	4	3	0	18	0	6	1	0	10	1	18
- Another	Vor.	Minor Works	15	1	0	0	16	0	9	3	0	0	4	16
		Camino Cubierto	0	0	1	0	1	0	0	0	0	1	0	1
1		Hornaveque	1	0	2	0	3	0	0	2	0	0	1	3
		Atrincheramiento	2	2	0	1	5	0	2	0	0	0	3	5
		Total	70	19	14	12	115	2	36	18	2	29	28	115
		Fuerte Provisional/ Fuerte de Campaña	10	9	3	2	24	6	7	11	0	0	0	24
tion.	trions	Fortin/Fortin de Campana	2	3	3	2	10	1	4	3	1	0	1	10
1 8	BOIL	Campamento	1	0	0	0	1	0	0	0	0	0	1	1
Rold Poweiffontions	ila Fort	Hornaveque Provisional	1	0	0	0	1	0	0	0	0	0	1	1
8	Ĭ	Bateria Provisional	2	0	0	1	3	0	3	0	0	0	0	3
		Total	16	12	6	5	39	7	14	14	1	0	3	39
		Grand Total	805	222	96	93	1,216	40	464	442	94	46	130	1,216

ciudadela is a defense core located at elevated portions of an urban area to protect its inhabitants below. It is smaller in scale compared to a city. However, based on the maps studied, these are located along the coastal lowlands or are riverside.

- c) Fortificación (Fortification): The term fortificación refers to a compendium of military defense structures located within and around urban areas.
- (A.2) Urban Military Fortifications: Urban military fortifications are installations that comprise military defensive structures, auxiliary buildings and support facilities that are occupied only by the military. These military zones have 6 subtypes, as follows:

- a) Fuerte, Fuerza (Fort): The fuerte, or fuerza, is an Urban Military Fortification and a Permanent Fortification that is occupied by soldiers and buildings related to military operations. Fuertes are one of the earliest defensive structures, next to the casa fuerte. These are initially built as an independent type, acting as the core of defense of newly established coastal towns and riverine settlements.
- c) Fortaleza (Fortress): The fortaleza is also an Urban Military Fortification and a Permanent Fortification. It is a large-scale military zone that can house a large battalion. This type resulted from the extensions and improvements performed on the fuertes and castillos due to the intensified enemy attacks and increased demands in protecting maritime plazas.
- d) Casa Fuerte (Strong House): The casa fuerte is an Urban Military and Permanent Fortification. It is a type that precedes the fuerte and has a more domestic character that is comparable with medieval castles.
- e) Presidio (Garrison or Garrison Town): The presidio (garrison or garrison town) is an Urban Military and Permanent Fortification. The presidio had the dual role of protecting these missions and settlements from indigenous resistance and attacks from enemy pirates
- f) Batería (Battery): The batería is an Urban Military and Permanent Fortification for military use. In the 16th century, it functioned as a gun emplacement for cannons located below the castillo, close to the level of the sea.
- (B) Parts of Permanent Defensive Systems

Integral to the construction of the various Permanent Defensive systems are their parts that are crucial for their impregnability to sieges and enemy attacks. These are categorized according to bastions, small bastions, platforms, precinct, curtain walls or muralla, and towers.

(C)Outworks: The Outworks are technically parts of Permanent Defensive Systems. They act as additional layers of defense. Due to the advancements in warfare technology, fortifications became more entrenched with multiple protective layers facing land³⁾.

(D) Field Fortifications

Field Fortifications are provisional fortifications built during the 18th and 19th centuries. These barriers sometimes spanned 40 kilometers, cutting across islands to eliminate communication between enemy forces. In the Philippine context, these were built in coastal, river and inland locations to defend against Moro attacks motivated by trading disputes and slave raids. In this context, field fortifications functioned both in a local and regional network of defense.

(3) THE SPANISH FORTIFICATION SYSTEM IN THE PHILIPPINES

From the late 16th to the early 19th centuries, Spanish military presence in the Philippine Islands was limited. In 1739 the Governor of the Philippine Islands Fernando Valdés Tamón sent a report to the Spanish Crown describing the state of military installations in the territories under Spanish rule; only 20 military fortifications were built in the Philippines until that year. With the lean military presence, the task of protecting native communities under the colonial resettlement system or reducción against muslim attacks was assumed by the Spanish missionaries. The friars supervised the native settlers in building defensive systems composed of the fortified church complex and the watchtowers, which functioned as structures for vigilance and defense. The entire archipelago has 53 fortified churches (28 of which are surrounded by protective walls) and a total 149 watchtowers. In Cebu Island alone, there are 12 fortified churches (6 of which are walled) and 38 watchtowers.

In the absence of Spanish military presence and war material in the regions of Philippines, Spanish missionaries created an alternative fortification system for the coastline based mainly on surveillance and early warning of the population. This system involved the participation and collaboration of the indigenous communities, as well as that of the churches. This system is connected by watchtowers in the strategic locations, with a hierarchy of distances between urban and extra-urban protections. It is based on two types of communication: visual with flags and fireworks for long distances and auditory with bells for the urban area.

The fortification system of watchtowers created by Spanish missionaries Bermejo during the 19th century to protect the south eastern coast of Cebu Island from Muslim attacks, Bermejo created a hierarchical system of buildings with the design of three different types of watchtowers for surveillance, auditory alerts and visual alerts. The participation of the indigenous people was also fundamental in that their local building practices and construction techniques were used in building the watchtowers.

5 . 主な発表論文等

「雑誌論文 〕 計2件(うち査読付論文 2件/うち国際共著 1件/うちオープンアクセス 1件)

【粧誌調文】 計2件(つら直読的調文 2件/つら国際共者 1件/つらオーノファクセス 1件)	
1.著者名	4 . 巻
Juan Ramon Jimenez Verdejo, Carmen Bettina Bulaong, Jesus Alberto Pulido Arcas	500
2 *A LEGE	F 7%/= /T
2.論文標題	5 . 発行年
Spanish Colonial Fortifications: Intramuros,	2021年
3.雑誌名	6 . 最初と最後の頁
Lantawan Magazine	30-35
_	
掲載論文のDOI(デジタルオブジェクト識別子)	査読の有無
なし なし	有
オープンアクセス	国際共著
オープンアクセスとしている(また、その予定である)	該当する

│ 1.著者名	4 . 巻
Troy Dino ELIZAGA, Juan Ramon JIMENEZ VERDEJO, Jesus Alberto PULIDO ARCAS	第84巻 第764号
2.論文標題	5 . 発行年
ASSESSMENT OF PLANNING STANDARDS OF REALLOCATION PROJECTS AFTER TYPHOON YOLANDA IN TACLOBAN	2019年
CITY (PHILIPPINES)	
3.雑誌名	6.最初と最後の頁
日本建築学会計画系論文集	2151-2156
掲載論文のDOI (デジタルオブジェクト識別子)	査読の有無
10.3130/ai ja.84.2151	有
オープンアクセス	国際共著
オープンアクセスではない、又はオープンアクセスが困難	-

〔学会発表〕 計12件(うち招待講演 3件/うち国際学会 6件)

1.発表者名

Juan Ramon Jimenez Verdejo Jesus, Pulido Arcas, Masaki Koto, Troy Dino Elizaga

2 . 発表標題

Philippine Common Urban Spaces from Spanish Colonial Heritage

3 . 学会等名

第25 回フィリピン研究会全国フォーラム(PSC-YSJ)(国際学会)

4.発表年

2020年

1.発表者名

ヒメネス・ベルデホ ホアン・ラモン

2 . 発表標題

THE UNBEARABLE LIGHTNESS OF URBAN HERITAGE

3 . 学会等名

PAMANALIKSIK: AN INTERNATIONAL RESEARCH CONFERENCE ON MOVEABLE AND IMMOVEABLE HERITAGE, University of Philippines, Manila (招待講演)

4.発表年

2019年

1 . 発表者名 Juan Ramon Jimenez Verdejo, Troy Dino Elizaga, Yoko Dokiya
2.発表標題 Colonial Heritage of common urban spaces in Cebu Island
3.学会等名 Green Initiative Week in the Philippines,Cebu, Philippines,(招待講演)
4 . 発表年 2020年
1 . 発表者名 ヒメネス・ベルデホ ホアン・ラモン
2. 発表標題 PHILIPPINE HERITAGE CONSERVATION STRATEGIES -CASE OF JESUIT HOUSE 1730 -
3.学会等名 JPCL2019 "The Japanese-Chilean symposium on resilient and sustainable architecture for coping with natural hazards. Mutual cooperation and future challenges" (招待講演) (国際学会)
4 . 発表年 2019年
1.発表者名 瓜生田優紀,ヒメネス・ベルデホ ホアン・ラモン
2.発表標題 フィリピン・ダバオ市の都市形成と都市開発に関する研究
3.学会等名 日本建築学会大会学(東北)
4.発表年 2018年
1 . 発表者名 ヒメネス・ベルデホ ホアン・ラモン、瓜生田優紀, エリザガ トロイ, Pulido Arcas Jesus,桂若菜
2.発表標題 フィリピン・セブ州のスペイン植民都市に関する研究 その 1-;セブ州のスペイン植民都市モデル-
3.学会等名日本建築学会大会学(東北)
4.発表年

2018年

1.発表者名 ヒメネス・ベルデホ ホアン・ラモン、Jesus Alberto PULIDO ARCAS, Toshikazu HANAZATO
COMPANY NO NO DE DE GUSUS ATBUTTO TOLIBO MICAO, TOSHINAZA TIMINAZATO
2.発表標題
JESUIT HOUSE 1730: REMAINS OF SPANISH FORTIFICATION SYSTEM IN THE PARIAN OF CEBU (PHILIPPINES)
3.学会等名 ICOFORT国際会議2018(国際学会)
4 . 発表年 2018年
1.発表者名
ヒメネス・ベルデホ ホアン・ラモン、Jesus Alberto PULIDO ARCAS, Huynh Van Khang
2.発表標題
THE FORTIFIED CITADEL OF CAVITE, CONSIDERATIONS ON THE HISTORICAL BACKGROUND AND CURRENT STATE
3 . 学会等名 ICOFORT国際会議2018 (国際学会)
4 . 発表年 2018年
1.発表者名
Elizaga Troy, ヒメネス・ベルデホ ホアン・ラモン、Jesus Alberto PULIDO ARCAS, 瓜生田優
2 . 発表標題
STUDY ON THE URBAN FORMATION PROCESS ON THE SPANISH FORTIFICATION CITY OF INTRAMUROS (MANILA)
3.学会等名 ICOFORT国際会議2018(国際学会)
4 . 発表年 2018年
1 . 発表者名 瓜生田優紀, ヒメネス・ベルデホ ホアン・ラモン
2. 発表標題 STUDY ON URBAN FORMATION AN DEVELOPMENT IN DAVAO CITY, THE PHILIPPINES
3 . 学会等名 ISAIA 2018 (国際学会)
4 . 発表年 2018年
2010—

1.発表者名 ヒメネス・ベルデホ ホアン・ラモン	
2 . 発表標題 CONSIDERATION ON HERITAGE BUILDINGS IN PHILIPPINES	
3.学会等名 The 4th Philippine Studies Conference in Japan	
4 . 発表年 2018年	
1 . 発表者名 ヒメネス・ベルデホ ホアン・ラモン	
2 . 発表標題 CULTURAL HERITAGE AND CULTURAL RESOURCE MANAGEMENT	
3.学会等名 The 4th Philippine Studies Conference in Japan	
4 . 発表年 2018年	
〔図書〕 計2件	
1 . 著者名 布野修司 、J・R・ヒメネス・ベルデホ、川井操、以下108名共著編	4.発行年 2019年
2.出版社 昭和堂	5.総ページ数 972
3.書名 世界都市史事典	
1 . 著者名 三宅 理一 , 岡崎 瑠美,J・R・ヒメネス・ベルデホ,その他名共著編	4.発行年 2019年
2.出版社 一般社団法人日本建築文化保存協会	5.総ページ数 digital
3.書名 城郭と都市の防御: ICOFORT国際会議 in 彦根論文集	

〔産業財産権〕

〔その他〕

-

6 . 研究組織

	氏名 (ローマ字氏名) (研究者番号)	所属研究機関・部局・職 (機関番号)	備考
--	---------------------------	-----------------------	----

7.科研費を使用して開催した国際研究集会

〔国際研究集会〕 計0件

8. 本研究に関連して実施した国際共同研究の実施状況

共同研究相手国	相手方研究機関
---------	---------