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CONFERENCE PAPER ABSTRACT

NAME OF PRESENTER:	**Masami Fukumoto, Tsuguto Ezura, Kiho Yaoita**
TITLE OF PAPER:	**Research of development and characteristics on historical buildings in Levuka**
THEME:	*Theme 4: Heritage as a Pillar of Sustainable Development*

PAPER ABSTRACT:

This paper is to elucidate the values and development process of historical buildings in Levuka. Levuka is the firsrt capital in Fiji of British colony and that was inscribed on the World Heritage List in 2013. We completed the survey of actual measurement and drew their plans, sections of 150 potential historic buildings. And we identified original plan from fabric investigation including analysis of traces on each fabric to understand the development processes of the buildings.
Historical buildings of Levuka are classified into 3 patterns; Residence, Shop house and Public buildings. This research focuses about residence and shop house among those.
Old residences of Levuka were Bungalow style. There are many houses in colonial-era on the hill. The bungalows had large verandahs, and they were open originally. At that time people used the central room.

Levuka's historical residences do not have a complex main roof like a "catalogue house", it is a simple shape to attach a verandah around a rectangular house. It could be considered that these have the shape before the "catalogue house" were developed.

Currently, many of verandahs are closed and divided. Local people use verandahs as bedrooms, living rooms and bathrooms. And most houses have made large openings between central rooms and verandahs. These rooms are used as living rooms.

There are Shop houses along Beach Street. From the buildings' ages, most of the shop houses are inferred as a warehouses for the copra trade.

The roof structure is a based on collar truss, and king-post and queen-post are not strong enough to support the roof structures.

BRIEF BIOGRAPHICAL INFORMATION ABOUT THE PRESENTER:

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2015 April to 2017 March: Master of Engineering, Okayama University of Science

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