



Authority control within VITAL in the SEALS Consortium

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East London, South Africa

Overview of presentation

- Introduction
- Authority control defined
- Problem statement
- The main purpose of VITAL
- Sierra and Authorities
- VITAL and Authorities
- Recommendations
- Conclusion

Introduction

Name authorities have become the most important part of cataloguing in the recent years, due to the changing landscape of information retrieval systems. There is new merging tools that will enable the relationships of works authors to be grouped together and be searchable using tools such as linked data and URI's which speaks to the semantic web.

Therefore, this presentation will discuss the importance of authority control on Sierra and VITAL to eliminate duplication of authorities between the two systems.

What is Authority Control?

- Consistent use and maintenance of names, subjects, series, and uniform titles whenever they are used as a heading in a bibliographic record

Source:

<https://www.slideshare.net/nebraskaccess/authority-control>

Authority Control Defined

- The word authority in authority control derives from the idea that the names of people, places, things, and concepts are authorized.
- Name authorities have become more important in establishing bibliographical control to enhance the uniformity of names in all systems
- Authority control is the process of arranging bibliographic information relating to each other in one heading, for an example some various names of a single author into one name, the other variations of the name be linked through cross referencing each name to the one authorized name.

Matabeni, Luyolo
Matabeni, Luyolo Mabutho
Matabeni, L

Matabeni, Luyolo

Importance of authorities

- To find an item
- To identify an item
- To evaluate and selected an item
- To locate synonyms



Problem statement

As a cataloguer working with ILL systems namely Sierra and VITAL, I have discovered that there is no relationship between the systems in terms of creating and maintaining authorities.



As I have been working with the systems, I have noticed that Sierra does allow:

- Creating of local authorities
- Utilize name authorities created on OCLC/ Records manger, with URI's that can link the LC authority file, which groups the works of author together (Linked data)
- however VITAL does not.

Sierra and Authorities

Currently Sierra has an option to create local authorities, when dealing with dissertations and research papers by authors who do not have authority record on **OCLC** and **VIAF**.

The screenshot shows the 'Add New Record - New AUTHORITY - AUTHOR Authority ()' window. The menu bar includes File, Edit, View, Tools, and Help. On the right, there are icons for Insert, Export, and Print. A 'Select Template' dialog is open, listing four options: 'author: Authority' (highlighted), 'authorloca: Author Authority Local', 'AuthorNMMU: Author Authority NMMU', and 'SSVIAF: VIAF template'. Below the list are 'Select' and 'Cancel' buttons. The main window displays 'New AUTHORITY' with metadata: 'Last Updated: 14-10-2019', 'Created: 14-10-2019', and 'Revisions: 0'. It features input fields for 'ACODE1', 'ACODE2', and 'ASUPPRESS'. Below these are two sections for authority data. The first section has a 'NAME AUTHR' field, a 'MARC' field with a dropdown set to '900', and a 'NOTE' field with a dropdown set to '670'. The second section has a 'NAME AUTHR' field with a dropdown set to '100' and a 'NAME S FRM' field. The text area on the right contains the following information: 'wnsmnc', 'Not on OCLC- checked date: 16/08/16', 'WSU thesis: Developing teaching and learning skills at a higher education institution: a collaborative action research study, 2013', and 'Mokhele, Paul Rampola'.

Add New Record - New AUTHORITY - AUTHOR Authority ()

File Edit View Tools Help

Insert Export Print

Select Template

- author: Authority
- authorloca: Author Authority Local
- AuthorNMMU: Author Authority NMMU
- SSVIAF: VIAF template

Select Cancel

New AUTHORITY Last Updated: 14-10-2019 Created: 14-10-2019 Revisions: 0

ACODE1 - --- ACODE2 - --- ASUPPRESS - ---

NAME AUTHR

MARC 900

NOTE 670

NOTE 670

NAME AUTHR 100 1

NAME S FRM

wnsmnc

Not on OCLC- checked date: 16/08/16

WSU thesis: Developing teaching and learning skills at a higher education institution: a collaborative action research study, 2013

Mokhele, Paul Rampola

b24289668

AUTHOR Fox, R. C. <http://id.loc.gov/authorities/names/n91083972>**TITLE** Successful implementation of succession planning : second generation / Roderick Charles Fox.**PUBLISH** [Place of publication not identified] : [publisher not identified], 2012.**LOCATIONS** ubs

Summary

Record i26133325

Item-Level Holds 0

Bib-Level Holds 0

Record

Not checked out

i26133325 Last Updated: 31-05-2017 Created: 07-07-2014 Revisions: 6

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ICODE1	0	INVDA	- -
ICODE2	-	IN LOC	0
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PRICE	R0.00	# OVERDUE	0
OUT DATE	- - :	ODUE DATE	- -
OUT LOC	0	Call Number	0
DUE DATE	- -	RECAL DATE	- -
PATRON#	0	TOT CHKOUT	0
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BARCODE 04163250

ACCESSION# DONATION

The main purpose of VITAL is to store and retrieve research output of the university. Therefore is important for cataloguers to create and maintain authorities in the shared institutional repository (VITAL) to eliminate duplication of authorities in the system.



XML Document of

DataStream

Last updated at Wed Oct 23 10:46:37 SAST 2019 

```
<?xml version="1.0" encoding="UTF-8"?>
< mods|▾ xmlns="http://www.loc.gov/mods/v3" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:dcterms="http://purl.org/dc/terms/" xmlns:iiidc="http://www.iii.com/metadata/dc/terms/"
xmlns:mods="http://www.loc.gov/mods/v3" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" version="
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However SEALS decided to no longer create local authorities in the local system (Sierra). The solution was:

- Creating authorities OCLC/Worldshare Manager,
- Resulting in name authorities when transferred to the local system Sierra will consist of URI's.
- By using URI's on VITAL to connect/link authorities might assist with the authority control in the shared institutional repository (VITAL) through digital commons by each member of the consortium.
- There might be a relationship in URI's or if we use better data in MODS with better links to authoritative taxonomies.

This means training on authorities is essential for cataloguers working on institutional repository. NACO is the major training required that will equip metadata librarians/cataloguers in authority control.

NACO training will enable them to be able to maintain the exiting name authorities to eliminate duplication on the system.



Name authorities and subjects that share a relationship should be grouped together by means of URI's on VITAL as they are on Sierra. <http://id.loc.gov/authorities/subjects>



Everything Search Loc.gov

The Library of Congress > Linked Data Service > LC Subject Headings (LCSH)

Search Library of Congress Subject Headings

GO

Search In LC Subject Headings (LCSH)

Library of Congress Subject Headings

URI(s)

- <http://id.loc.gov/authorities/subjects>
- <http://id.loc.gov/authorities#conceptscheme>

Instance Of

- MADS/RDF MADSScheme
- SKOS ConceptScheme [↗](#)

Scheme Members

- LCSH Collection - Authorized Headings
- LCSH Collection - General Collection
- LCSH Collection - Children's Headings
- LCSH Collection - May Subdivide Geographically Indirect
- LCSH Collection - Term Permitted to be Directly Subdivided Geographically
- LCSH Collection - Subdivisions
- LCSH Collection - Topic Subdivisions
- LCSH Collection - GenreForm Subdivisions
- LCSH Collection - Temporal Subdivisions
- LCSH Collection - Geographic Subdivisions
- LCSH Collection - Language Subdivisions

Change Notes

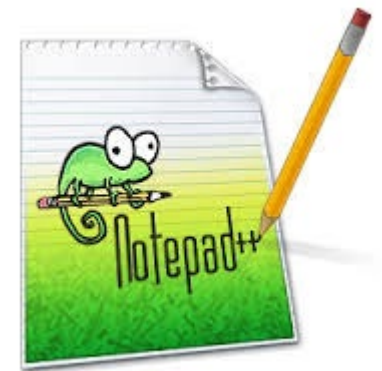
- 2011-04-26: modified
- 2019-09-25: Last Record Update ⓘ *Latest date a member of this scheme was updated*

Alternate Formats

- RDF/XML (MADS and SKOS)

VITAL and Authorities

Currently on VITAL there is no authority control in place for the same authors or related names by means of cross referencing. On the system itself, it can only be done on XML editor to edit the MODS by using a program called Notepad++.



Successful implementation of succession planning: second generation

- Fox, Roderick Charles

 Reindex

Object

Properties

Indexed Metadata

Relationship Editor

Permissions

Successful implementation of succession planning: Second generation

A treatise submitted in partial fulfillment of the requirements of the degree of

MASTERS OF BUSINESS ADMINISTRATION
of
NELSON MANDELA METROPOLITAN UNIVERSITY

Roderick Charles Fox

RESEARCH SUPERVISOR: Dr Margaret Cullen

NOVEMBER 2012

Title Successful implementation of succession planning: second generation

Creator [Fox, Roderick Charles](#)

Subject [Family-owned business enterprises -- Succession](#), [Family corporations -- Management](#)

Date 2012

Type Thesis, Masters, MBA

Identifier vital:8771, <http://hdl.handle.net/10948/d1012445>, [Family-owned business enterprises -- Succession](#), [Family corporations -- Management](#)

Description Family businesses are prevalent in South Africa and throughout the world. Succession is one of the largest challenges facing family businesses. It has been estimated that only one third of family businesses survive to the second generation. This study attempts to determine what the main features are to promote successful family business succession and continuity. The family chosen for this research is the Venter family. The research has scaled the various influencing variables from the literature review into the following focus areas: relationships, conflict, vision, effective succession characteristics and continuity. The findings reflect many instances found in the literature, some are: individuals can manage themselves and have relationships with others; have the ability to resolve conflicts; have mutual support and trust; there is respect between the founder and successor; the business vision is clear; communication is open and clear and decisions are based on expertise and knowledge. Many other aspects are highlighted in the research that follows. In addition, the study attempts to identify the generational effects, the major characteristics of the family owned succession process and the views of the predecessors on the succession process and the post succession period.

Format [iii, 120 leaves, pdf](#)

Publisher [Nelson Mandela Metropolitan University, Faculty of Business and Economic Sciences](#)

Language English

Rights Nelson Mandela Metropolitan University

Datastream

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Nelson Mandela Metropolitan University

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< classification|▼ >

Family-owned business enterprises -- Succession

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Family corporations -- Management

</ classification>

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http://hdl.handle.net/10948/d1012445

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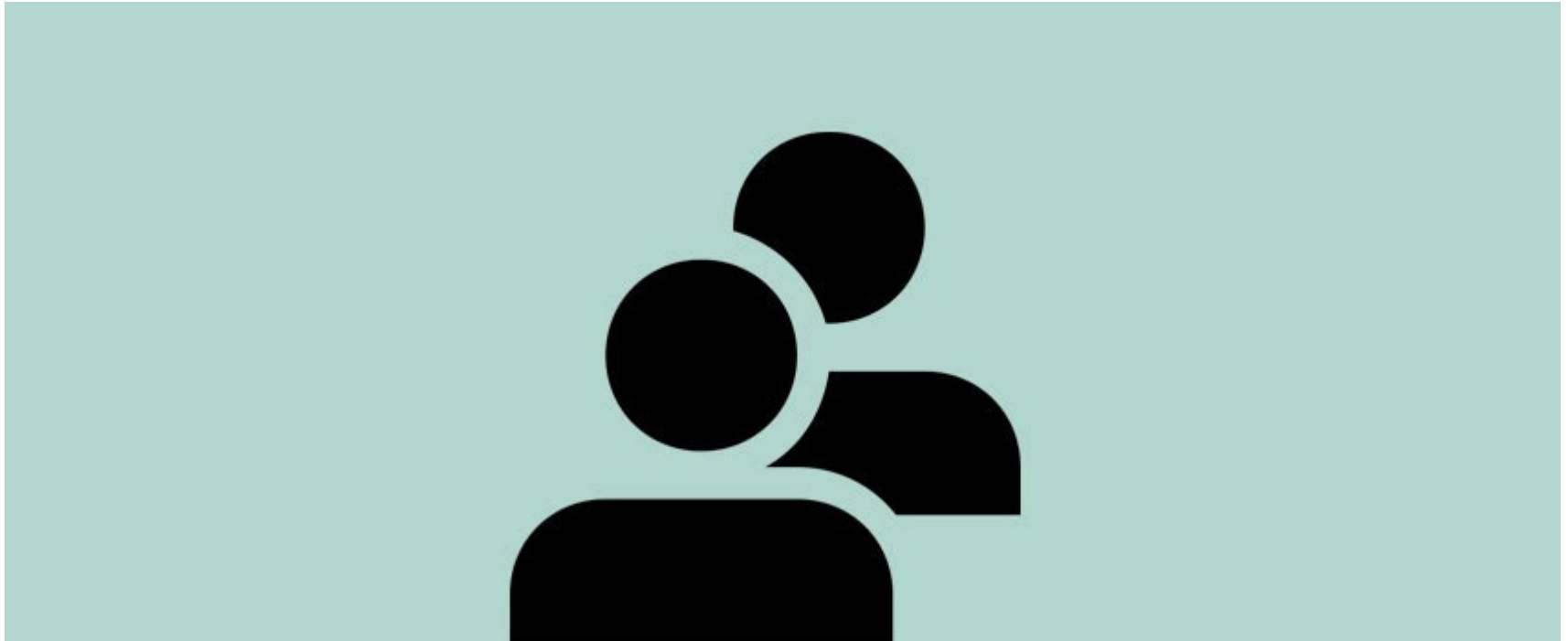
>

cre

</ roleTerm>

< roleTerm|▼ type="

This is resulting in multiple authorities being created on VITAL from the variations of individual authors.



b24289668

AUTHOR Fox, R. C. <http://id.loc.gov/authorities/names/n91083972>

TITLE Successful implementation of succession planning : second generation / Roderick Charles Fox.

PUBLISH [Place of publication not identified] : [publisher not identified], 2012.

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Item-Level Holds

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Bib-Level Holds

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COPY #	1	LCHKIN	- -
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ICODE2	-	IN LOC	0
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PRICE	R0.00	# OVERDUE	0
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OUT LOC	0	Call Number	0
DUE DATE	- -	RECAL DATE	- -
PATRON#	0	TOT CHKOUT	0
LPATRON	0	TOT RENEW	0

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RESEARCH SUPERVISOR: Dr Margaret Cohen

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Identifier vta18771, <http://hdl.handle.net/10948/1012445>, Family-owned business enterprises -- Succession, Family corporations -- Management

Description Family businesses are prevalent in South Africa and throughout the world. Succession is one of the largest challenges facing family businesses. It has been estimated that only one third of family businesses survive to the second generation. This study attempts to determine what the main features are to promote successful family business succession and continuity. The family chosen for this research is the Venter family. The research has scaled the various influencing variables from the literature review into the following focus areas: relationships, conflict, vision, effective succession characteristics and continuity. The findings reflect many instances found in the literature, some are: individuals can manage themselves and have relationships with others, have the ability to resolve conflicts, have mutual support and trust, there is respect between the founder and successor, the business vision is clear, communication is open and clear and decisions are based on expertise and knowledge. Many other aspects are highlighted in the research that follows. In addition, the study attempts to identify the generational effects, the major characteristics of the family owned succession process and the views of the predecessors on the succession process and the post succession period.

Format ii, 120 leaves, pdf

Publisher Nelson Mandela Metropolitan University, Faculty of Business and Economic Sciences

Language English

Rights Nelson Mandela Metropolitan University

This creates a confusion when user's search authors or related works by a particular researcher.

 **NELSON MANDELA**
UNIVERSITY

/ Nelson Mandela University -

Fox, RC

Q

Browse ▾

Quick Collection 0

NMMULuyok

Showing items 1 - 20 of 1700

Your selections: **Active** ✕

Creator

Currie, Bianca 3

Galda, Razia 3

Mjali, Kadephi Vuyolwethu 3

Akwi, Faith Mary 2

Antoni, Xolile Lucas 2

Binza, Mzikayise Shakespeare 2

Botha, Adele 2

Breakfast, Ntsikelelo Benjamin 2

Butler, Zoe Ann 2

De Vynck, Jan Carlo 2

+ Show More

Subject

Local government -- South Africa -- Eastern Cape 19

Performance -- Management 17

Leadership 15

Medicinal plants -- South Africa 12

Employee motivation 11

...



Add All Items to Quick Collection

Sorted by Date ▾

!?

A Blended Learning Toolkit That Accommodates Multiple Learning Styles

Steven Mills

Submitted in fulfillment of the requirements for the degree of Master of Commerce (Computer Science & Information Systems) in the Faculty of Science at the Nelson Mandela University

Supervisor: Dr Leds van der Post

A blended learning toolkit that accommodates multiple learning styles

- Mills, Steven Christopher

+

PERMISSION TO SUBMIT FINAL COPIES OF THESIS OBSERVATION NOTES TO THE EXAMINATION OFFICE

Please type or complete in block and

FACULTY: SCIENCE

SCHOOL/DEPARTMENT: ROTARY

I, (surname and initials of student), Dr. Aletta J. Tota

and (surname and initials of supervisor), Prof. Richard M. Cowling

the supervisor and co-supervisor respectively for (surname and initials of candidate), M. A. M. M.

submitted in response to the requirements of a (candidate)

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C.J. Pretorius

2019

A comparative study of artificial neural networks and physics models as simulators in evolutionary robotics

- Pretorius, Christiaan Johannes

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A LEADERSHIP DEVELOPMENT MODEL TO ENHANCE ETHICAL GOVERNANCE IN SOUTH AFRICA

BY

RYNO JUAN ELS

THESIS SUBMITTED IN FULFILLMENT OF THE REQUIREMENTS

By

Lynn Jonas

Submitted in fulfillment of the requirements of the degree Doctor of Philosophy in Education in the Faculty of Education at the Nelson Mandela University

March 2019

Supervisor: Prof. Maria Magdalena Botha

Co-supervisor: Mr. Peter Myles

A curriculum framework for undergraduate coastal and marine tourism university programmes

- Jonas, Lynn Cindy

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By

William Thomas Gummow

Submitted in fulfillment of the requirements for the degree of Magister Scientiae in the Botany department of the Science faculty to be awarded at Nelson Mandela University

April 2019

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- Gummow, William Thomas

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Kirstie Eastwood

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by

Thomas Himer

Tristie

NELSON MANDELA
UNIVERSITY

Examples of the confusion of Authors

	Wadeson, R A Number of Objects: 2
	

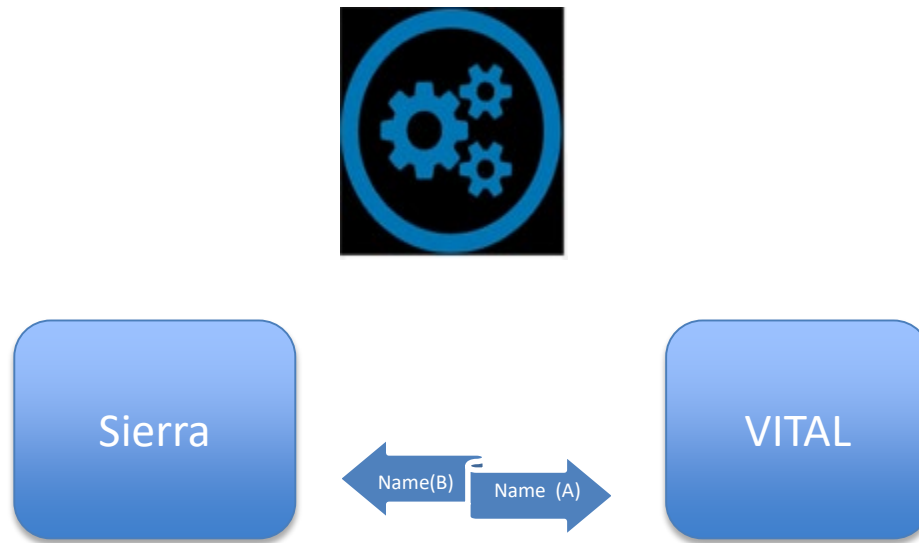
	Wadeson, R A (Roy A) Number of Objects: 1
	

The above author his name has different variations however it is the same person.

VITAL does not have the option to cross reference the name of the author and grouping her research to one authorized name.



VITAL can not link the two authorities together, by means of cross reference or the use of URI's



Therefore there is a need for both these programs Sierra and VITAL to work together in order to be able to be consistent with name authorities used by authors and researchers



Recommendation

- As we are moving to linked data in the near future it is important for the software developers to find a way to incorporate authority control tools into VITAL.
- The template MODS need to be modified to fit this purpose, VITAL is lacking in the infrastructure to allow us (cataloguers) modify MODS template to add elements that can be make it possible for authority control
- This will ensure that the users will retrieve data/ information they need timelessly
- This will enable users to get related information and cross reference to different works by the same author in related fields of study.
- Furthermore provide accurate and effective services to user of the institutional repository

Conclusion

There is a need for an element/field in the mods templet to include a cross reference or an authority control element on VITAL for consistency of authorities and for Sierra and VITAL to be on par when it regards to name authorities to eliminate duplication of authorities in institutional repositories



Bibliography

IFLA Working Group on Guidelines for National Bibliographies, 2017, National Bibliographies in the Digital Age: Guidance and New Directions, Google books, viewed 11 October 2019.

van der Walt, W., 2019, Aligning standards between catalogues and repositories: considerations. IGBIS Forum 29-30 August 2019.

Zhonghua Du, Authority Control in dPanther: Use Controlled Vocabularies for Names Metadata and Cataloging Services Librarian Florida International University Libraries -- Metadata Authorities Workshop of the dPanther Users' Group July 7, 2015.

www.wikipedia.com [Accessed 10 October 2019].

Thank you

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Tel: 041-5042299