Staying Compliant, Staying Connected in the Transportation Research Lifecycle

Disambiguating Transportation Researchers with Unique ORCID Identifiers

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Chair, TRB Library and Information Science for Transportation (LIST) Committee
Ninth Mid-Continent Transportation Research Symposium, August 20, 2015, Abstract 36, Session 4, Track E
Overview

- Identity Crisis: Why Disambiguate?
- ORCIDs to the Rescue: Disambiguating
- ORCIDs to the Rescue: Linking
- One ID to Rule them All
- Automating Disambiguation
- Protecting Future Funding by Becoming Compliant Now
Identity crisis: Why disambiguate?

On average, 1 ambiguous name referred to 8 distinct authors. (Torvik)

Global Common Surnames
- Li or Lee
- Zhang
- Wang
- Devi
- Nguyễn
- Singh
- Kumar
- Silva
- García
- González
- Hernández
- Smith
- Smirnov
- Müller

Of 6.7 million unique authors in MEDLINE in 2006 (Torvik):

- 64% have ambiguous names
- 36% have unique names

4.3 million have ambiguous names
2.4 million have unique names
ORCIDs to the Rescue: Disambiguation

Open Researcher and Contributor ID

http://orcid.org/

Leighton L Christiansen

ORCID ID

http://orcid.org/0000-0002-0543-4268

Displaying an ORCID iD

ORCID recommends the following format to display an ORCID iD in publications and on websites:

• Show the full URI and use hyphens between every fourth digit;
• Display a full URI on the same line;
• Precede the URI with the ORCID iD logo, as follows:

http://orcid.org/0000-0001-7356-7482

Use of the ORCID iD logo and display is outlined at http://orcid.org/trademark-and-id-display-guidelines

Shameless “Hobbit” tie-in joke.

Orc iD?

Oh, that’s how you can tell one “Lord of the Rings” ugly bad guy from another.

No!! ORCID (like Orchid).

It is how you can tell one researcher or contributor from another.
ORCID IDs to the Rescue: Linking Registry, Publication, and Other IDs

Armen Yuri Gasparyan is the Chief Editor of European Science Editing and a Council Member of the European Association of Science Editors (London, UK) and the views expressed in this publication do not necessarily reflect the views of the EASE.

ORCID

Armen Yuri Gasparyan  http://orcid.org/0000-0001-8749-6018
One ID to Rule them All
Automating Disambiguation

1) Researcher-driven linking

- ORCID API Integration

Information for this slide comes from these ORCID pages:
https://orcid.org/my-orcid
http://orcid.org/organizations/integrators/integration-chart
http://orcid.org/organizations/integrators/API
Protecting Future Funding by Becoming Compliant Now

http://orcid.org/

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<tr>
<td>Safety Evaluation of Diverging Diamond Interchanges in Missouri</td>
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<th>7. Author(s)</th>
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<tbody>
<tr>
<td>Praveen Edara, Ph.D., P.E., PTOE <a href="http://orcid.org/xxxx-xxxx-xxxx-xxxx">http://orcid.org/xxxx-xxxx-xxxx-xxxx</a></td>
</tr>
<tr>
<td>Carlos Sun, Ph.D., P.E., J.D. <a href="http://orcid.org/xxxx-xxxx-xxxx-xxxx">http://orcid.org/xxxx-xxxx-xxxx-xxxx</a></td>
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<tr>
<td>Boris R. Claros, MSCE <a href="http://orcid.org/xxxx-xxxx-xxxx-xxxx">http://orcid.org/xxxx-xxxx-xxxx-xxxx</a></td>
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<tr>
<td>Henry Brown, MSCE, P.E. <a href="http://orcid.org/xxxx-xxxx-xxxx-xxxx">http://orcid.org/xxxx-xxxx-xxxx-xxxx</a></td>
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<th>9. Performing Organization Name and Address</th>
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<tr>
<td>University of Missouri-Columbia</td>
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<tr>
<td>Department of Civil &amp; Environmental Engineering</td>
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<tr>
<td>E 2509 Lafferre Hall, Columbia, MO 65211</td>
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<th>12. Sponsoring Agency Name and Address</th>
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<tr>
<td>Mid-America Transportation Center</td>
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<tr>
<td>University of Nebraska-Lincoln <a href="http://dx.doi.org/10.13039/100008114">http://dx.doi.org/10.13039/100008114</a></td>
</tr>
<tr>
<td>2200 Vine Street, PO Box 830851, Lincoln, NE 68583-0851</td>
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Missouri Department of Transportation (SPR) [http://dx.doi.org/10.13039/100007251](http://dx.doi.org/10.13039/100007251)  
Construction and Materials Division  
P.O. Box 270, Jefferson City, MO 65102

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Use this link:  
Questions?

http://orcid.org/

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References

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