ORCID Integration: Services to Create and Use ORCID IDs at KAUST

Daryl Grenz and Mohamed Ba-Essa
Goals

• For researchers
  ➢ Make it easier to record and publicize research activities from throughout career.

• For the library
  ➢ Control and manage contributor metadata in repository.
  ➢ Track authors’ publications in support of open access policy.

• For university administrative offices
  ➢ Research evaluation: Clearly identify KAUST-affiliated authors and their research
  ➢ Alumni: Track research career of graduated students.
Timeline

August 2014

• ORCID functionality added by our DSpace provider: OpenRepository.

September 2014

• ORCID ID required for ETD deposits.

November 2014

• Institutional membership in ORCID.

January 2015

• Launch of KAUST/ORCID integration.
Options:

- retrieval of ORCID IDs by DOI when available from Crossref
- as-you-type matching on existing names in the repository
- name search using the public ORCID API
Repository ➤ Metadata Update

• Admin manual edit

• Batch metadata edit

<table>
<thead>
<tr>
<th>dc.contributor.author[en]</th>
</tr>
</thead>
<tbody>
<tr>
<td>O'Rourke, Aubrie::0000-0003-1277-9536::-1</td>
</tr>
<tr>
<td>Randrianantenaina, Itsikiantsoa::0000-0001-9510-2613::-1</td>
</tr>
</tbody>
</table>
Repository ► Public interface

• Item Display

AUTHORS:
Melino, Gianluca (0000-0001-8060-651X) id

ADVISORS:
Di Fabrizio, Enzo (0000-0001-5886-4678) id

COMMITTEE MEMBER:
Alshareef, Husam N. (0000-0001-5029-2142) id; Falqui, Andrea (0000-0002-1476-7742) id

• Advanced Search

Current filters:
Orcid Id: Contains: "0000-0003-4827-1793" X

• Author Browse

Zhang, Xi-Xiang (0000-0002-3478-6414) id
Zhang, Xiangliang (0000-0002-3574-5665) id
Zhang, Xianping
Repository ► OAI-PMH

- xoai

```xml
<element name="author">
  <element name="en">
    <field name="value">
      Schipani, Rossana
    </field>
    <field name="authority">
      0000-0003-3593-6522
    </field>
    <field name="confidence">
      -1
    </field>
  </element>
</element>
```

- ext_dc

```xml
<dc:contributor qualifier="author">
  Schipani, Rossana
</dc:contributor>
<dc:contributor qualifier="author">
  0000-0003-3593-6522
</dc:contributor>
<dc:contributor qualifier="author">
  -1
</dc:contributor>
```
Member Integration ► Goals

• Support all faculty, researchers and students to have and use ORCID IDs.

• Push information to ORCID profiles to connect authors to KAUST and to their works in the repository.

• Build services around ORCID that are of value to researchers and that support the open access policy.
Member Integration ➤ Design

• Internal integration using PHP and MySQL.

• Database with metadata from the repository and basic information about researchers.

• Email generator with templates for different groups and for different stages of process.

• Web interface for researchers to select which permissions to grant to KAUST.

• Nightly harvest and synchronization to pull new or updated works from the repository and push them into profiles for authors who have granted permission.
Member Integration ► Process

- Staged process, starting with faculty.

- Emails with custom link requesting ORCID creation or identification.

- Follow-up emails to those who did not create an ORCID.

- Further follow-up emails to faculty with possible existing ORCID with empty profiles.

- Name match to add ID to existing repository items, with manual review by library staff.
Member Integration ► Options

ORCID at KAUST

KAUST uses ORCID identifiers to identify researchers and their research. Select from the options below before connecting to the ORCID system.

- Create a new ORCID ID or identify an existing one (required).
- Read information from my ORCID record.
- Add KAUST affiliation to my ORCID record.
- Add publications from the KAUST Repository to my ORCID record.

You can change these permissions at any time in the Accounts Settings section of your ORCID record.

Connect with ORCID
Member Integration ► Success!

ORCID at KAUST

Thank you!
Your ORCID is @0000-0002-2373-2007.

- There is an existing KAUST affiliation in your ORCID record, no additional KAUST affiliation was added.
- Work information was not added to your ORCID record as no publications in the KAUST Repository currently match your ORCID ID. In the future, when new items with your ORCID ID are added to the KAUST Repository they will automatically be added to your ORCID record.

Want to do more with your ORCID ID? Connecting other systems, such as Scopus, CrossRef and ResearcherID, to your ORCID record can help you more easily maintain an updated and complete record of your research activities.

What is ORCID?
Open Researcher & Contributor ID (ORCID) is a global system of unique identifiers for researchers.

Find out more »

ORCID at KAUST
The KAUST Repository uses ORCIDs to identify authors.

Visit the repository »

Questions?
Please contact the KAUST Repository Team.

Email us »

www.kaust.edu.sa
Member Integration ➤ Hiccup

Creation of duplicate ORCID IDs

We've found the following records that may be you. Your institution may have already created an ORCID Record for you. To access an existing account Sign In.

<table>
<thead>
<tr>
<th>ORCID ID</th>
<th>Email</th>
<th>First Name(s)</th>
<th>Last Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000-0003-4527-6492</td>
<td>Daryl</td>
<td></td>
<td>Grenz</td>
<td></td>
</tr>
</tbody>
</table>

“Limited access” setting for new works

- “The tool said it added 5 articles to my ORCID, but later when I looked there was nothing there.”

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ORCID Outreach ➤ Reactions

- “I will most probably never use ORCID.”
- “I have a unique name in my research field and having an ORCID will have no benefit for me.”
- “If it is not mandatory I will not sign up.”
- “I will be leaving KAUST soon.”
- “Here is my ORCID ...” (not connected, empty profile)

- “My publications are under two ScopusIDs, can ORCID help with that?”
- “How can I get all my publications into ORCID?”
- “Why aren’t all my articles in the repository?”
- “Can I see citation information for my articles in ORCID?”
- “I will tell my students to get ORCIDs too, what link should they use?”

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Member Integration ➤ Results

• Over 450 ORCID IDs created or identified.

• 80% of those used the integration tool and granted permissions for us to update their ORCID profile.

• 82% of faculty, 52% of postdocs and 13% of research scientists now have ORCID IDs.

• As of June, 79% of articles and conference papers in the repository have an ORCID ID for at least one author.

• 5 known cases of duplicate ID creation.
Member Integration ➤ Next Steps

- Continue follow-up with researchers lacking ORCIDs or whose ORCIDs are not connected to the repository.

- Initiate ORCID creation for all students.

- Develop procedure for incoming researchers and students.
Future ► Plans

• Subscribe to or develop services that complement ORCID use.

 ➢ PlumX metrics portal from .

AUTHORS:

Eddaoudi, Mohamed ( 0000-0003-1916-9837 )

 ➢ Customizable widget for researcher use.

https://github.com/dagrenzer/ORCID-WorksList-Widget
Future Ideas

• Use ORCID IDs to track new publications and initiate accepted manuscript requests in support of our open access policy.
  ➢ Crossref as most useful data source.

• Create interface for administrative staff to interact with KAUST/ORCID integration and with ORCID API.
Thank you!