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OiPub: Research Communities Made Simple

Wednesday, 2 October 2024 12:30 (30 minutes)

Keeping a research community updated with all the most relevant and impactful research and information is a never-ending task. With over 4 million articles published in 2021, growing rapidly at over 5% per year[1], it's hard for anyone to keep up with a given topic.

Other academic sharing and networking platforms rely on users to add and share papers within specific groups, placing a heavy burden on them to maintain relevance and currency. This results in incomplete and messy data, including grey literature and errors, alongside peer-reviewed research. Community curation demands significant time and effort, often leading to outdated or inactive communities. Additionally, fragmented information sharing limits interdisciplinary discussion and collaboration. Finally, impact scores are publication-based rather than community-specific, hindering the recognition of relevant impactful research.

The result is that online research communities are currently much more limited in scope than they could be and often not good information sources, limiting online collaboration and making finding and following research areas much harder than necessary.

This is why we have developed OiPub - to discover and share cutting-edge research effortlessly.

OiPub automatically tracks all the latest research from recognised respected sources (e.g. CrossRef, OpenAire, ORCID, Scholexplorer) and categorises it into Topic-based information and discussion hubs. Topics can also be combined by users into custom Communities following specific interests. These are automatically kept up to date with feeds of all the latest research data relevant to them, with filtering and sorting tools allowing users to easily find the exact information they need.

This makes keeping up to date with research in any and every niche easier than ever before, allowing you to spend less time finding research and more time doing research.

In this talk we will provide a live demo of OiPub, focusing on our design concept along with insights into the data perspectives and outcomes of our work in:

1. **Topic tagging** research
2. Adapting paper-based impact scores to **Topic-based impact scores**
3. Combining Topic-based impact scores into user-customisable **Community-of-Topics based scores**
4. The **Hot score** system we are using which considers impact and recency

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You can find and use OiPub at https://oipub.com/.

Topic

Data innovations: Data Analytics, Sensitive Data/FAIR Data

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Session Classification: Demonstrations & Posters