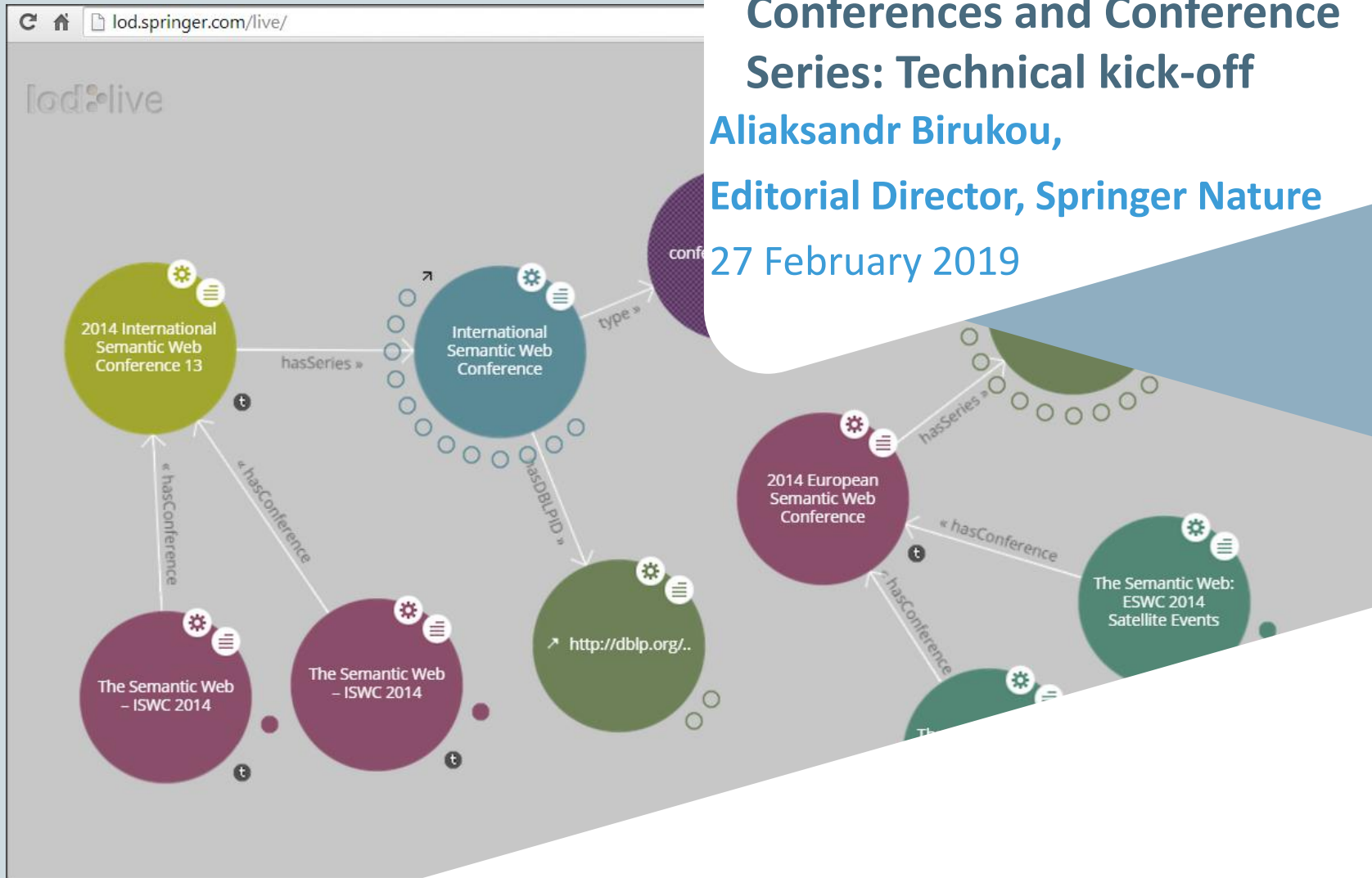**Persistent IDentifiers (PIDs) for Conferences and Conference Series: Technical kick-off**

Aliaksandr Birukou,

Editorial Director, Springer Nature

27 February 2019

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Motivation

Acronyms are not unique

dblp.uni-trier.de/db/conf/?prefix=Ee

- EELC - Emergence and Evolution of Linguistic Communication
- EEMMAS - Engineering Environment-Mediated Multi-Agent Systems
- EESSMod @ MoDELS - Experiences and Empirical Studies in Software Modeling
- EEWC - Enterprise Engineering Working Conference
- EEXTT - Efficiency and Effectiveness of XML Tools and Techniques

- EFDBS @ CAiSE - Engineering Federated Database Systems
- Efficiency and Effectiveness of XML Tools and Techniques (EEXTT)
- EFIS/EFDBS - Engineering Federated Information (Database) Systems
- EFTS @ FSE - Engineering Fault Tolerant Systems

- EG-ICE - Intelligent Computing in Engineering and Architecture
- EGC - European Grid Conference
- EGC - Extraction et Gestion des Connaissances
- EGC - Spanish Meeting on Computational Geometry
- EGCDMAS - Electronic Government and Commerce: Design, Modeling, Analysis and Security

Conferences change publishers

11. CollaborateCom 2015: Wuhan, China

Song Guo, Xiaofei Liao, Fangming Liu, Yanmin Zhu:
Collaborative Computing: Networking, Applications, and Worksharing - 11th International Conference, CollaborateCom 2015, Wuhan, China, November 10-11, 2015. Proceedings. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering 163, Springer 2016, ISBN 978-3-319-28909-0 [contents]

10. CollaborateCom 2014: Miami, Florida, USA

Elisa Bertino, Shu-Ching Chen, Karl Aberer, Prashant Krishnamurthy, Murat Kantarcioglu:
10th IEEE International Conference on Collaborative Computing: Networking, Applications and Worksharing, CollaborateCom 2014, Miami, Florida, USA, October 22-25, 2014. ICST / IEEE 2014, ISBN 978-1-63190-043-3 [contents]

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There are fake / mock conferences

What was done so far

Persistent IDs for conference series

Conference PID timeline

InSPIRE tracks HEP conferences

Springer launches lod.springer.com with unique Conf IDs

CrossRef / Datacite launch a joint group on conference and project IDs

Technical group kick-off at CERN: Feb 27th

1970   **1993**   **2015** **2016**   **2017**   **2018** **2019**

DBLP launches with conf/PID pages

DataCite assigns the 1st DOI to PIDapalooza conference series

Metadata specs released for community comments

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Crossref / DataCite working group

- Scope of the group:

  (1) Unique Conference IDs – implement for other publishers

  (2) Metadata on peer-review process (see later)

  all data will be available under CC0

- Read more about the group:

  https://www.crossref.org/working-groups/conferences-projects/

- Conference metadata document:

  https://www.crossref.org/blog/pids-for-conferences---your-comments-are-welcome/

- Group participants:

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April 2018: Metadata specs opened for comments

DataCite Blog

PIDs for conferences - your comments are welcome!

April 19, 2018 by Aliaksandr Birukou · 4 min read
https://doi.org/10.5438/prq9-ed42

This blog post by guest author Aliaksandr Birukou was cross-posted from the *Crossref blog.*

Aliaksandr Birukou is the Executive Editor for Computer Science at Springer Nature and is chair of the *Project PID Group* that has been working to establish a persistent identifier system and registry for scholarly conferences. Here Alex provides some background to the work and asks for input from the community:

Home > Blog > **PIDs for conferences - your comments are welcome!**

🕐 **4 minute read.**

PIDs for conferences - your comments are welcome!

Aliaksandr Birukou – 2018 April 19
In Persistence, Conference Ids, Identifiers, Datacite, Crossmark

Aliaksandr Birukou is the Executive Editor for Computer Science at Springer Nature and is chair of the *Project PID Group* that has been working to establish a persistent identifier system and registry for scholarly conferences. Here Alex provides some background to the work and asks for input from the community:

Roughly one year ago, Crossref and DataCite started a working group on conference and project identifiers. With this blog post, we would like to share the specification of conference metadata and Crossmark for proceedings and are inviting the broader community to comment.

Why are conferences important?

Summary of the comments

Program Committee, Organizing Committee members, Keynote speaker(s)

Clear definition of colocated, joint, umbrella conferences

Keep the same ID even if the acronym/name changes

Reuse work done by Microsoft Academic Search, DBLP, DNB, publishers, etc.

I think the PIDs for conferences will be important and helpful for the academic & publishing community, as one of the benefits will be **recognizing the fake conferences**.

Capture also Program Committee, Organizing Committee members, Keynote speaker(s)

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Metadata availability

ALL CONFERENCE AND CONFERENCE SERIES METADATA WILL BE AVAILABLE UNDER CCO

ConfRef.org – all info about the conferences

9 Oct

Digital Science Announces New Catalyst Grant Winners

TAGS: cadmore media , Catalyst Grant , confref.org , paperdigest

Cadmore Media
A platform which enables scientific organisations to publish scholarly, professional and technical information through streaming video and audio.

ConfRef.org
A one-stop pan publisher place for scientists and research evaluators to find information about conferences and to reliably reference conferences via a globally unique persistent ID.

Paper Digest
Paper Digest is a tool which uses artificial intelligence to generate an easy-to-read summary of academic papers.

Research industry technology company Digital Science has today revealed the latest winners of its prestigious Catalyst Grant award: Paper Digest, Cadmore Media and ConfRef.org have each been awarded a grant.

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Big picture

Putting it all together....

- universities
- conference organizers
- authors, PC members
- research evaluators
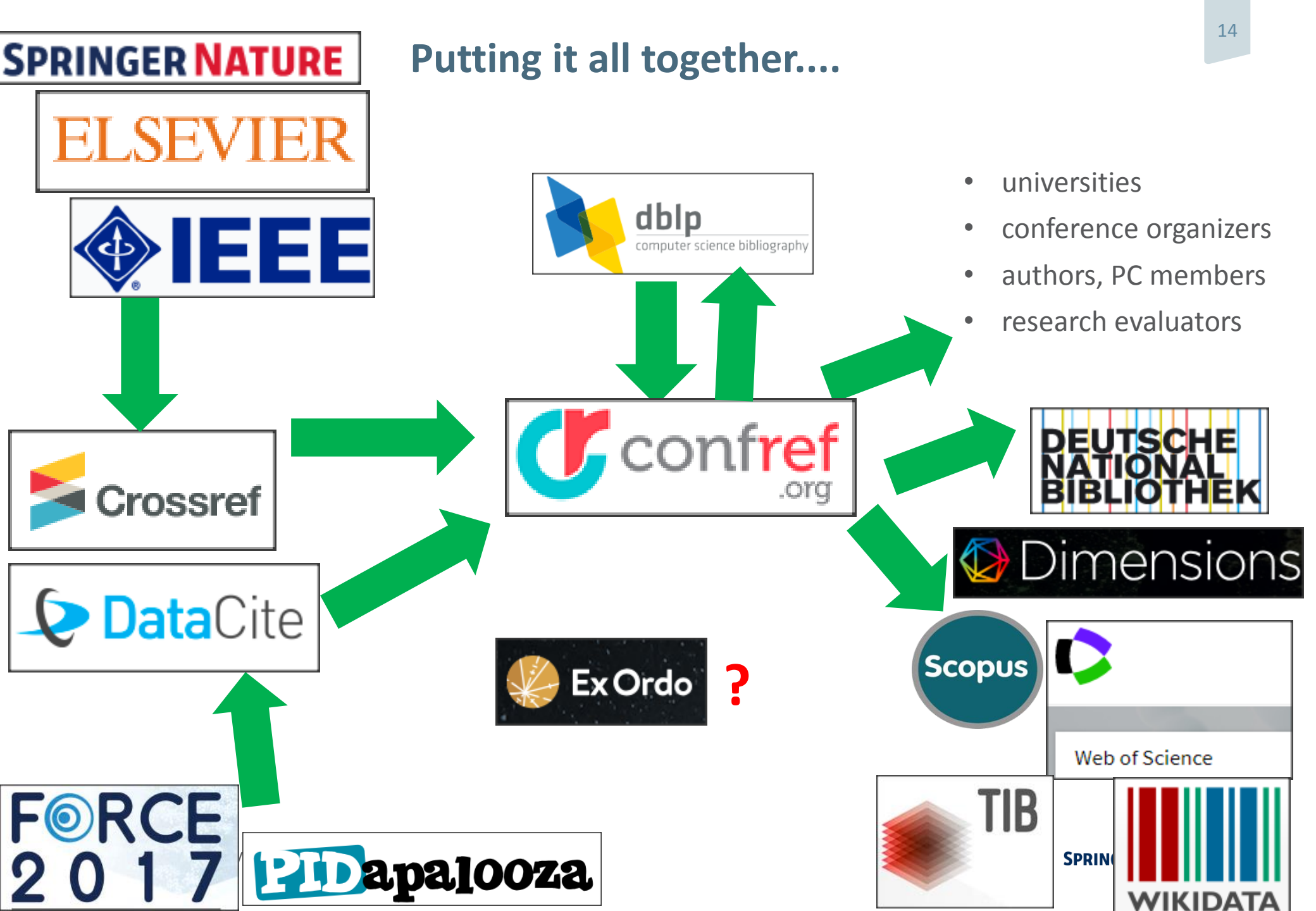
GOALS for this workshop

What we want to achieve

- **0. We have big interest to the topic of conference identifiers**

- **1. We would like to understand which use cases are the most pressing**
  - indexing?
  - mock conferences?
  - ...

- **2. ...and who can do what during the group lifetime**
  - use conf (series) id for 50% / 100% of conference in discipline X in Publisher A
  - prioritize indexing of conferences with conf series IDs (because it saves time)
  - implement conf PIDs in conference management system Y

- **3. What do we miss to make it a success story?**

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After the meeting

- **Continue for 6-12 months via regular calls**

- **Update the community on the progress via Crossref and DataCite blogs + other appropriate channels**
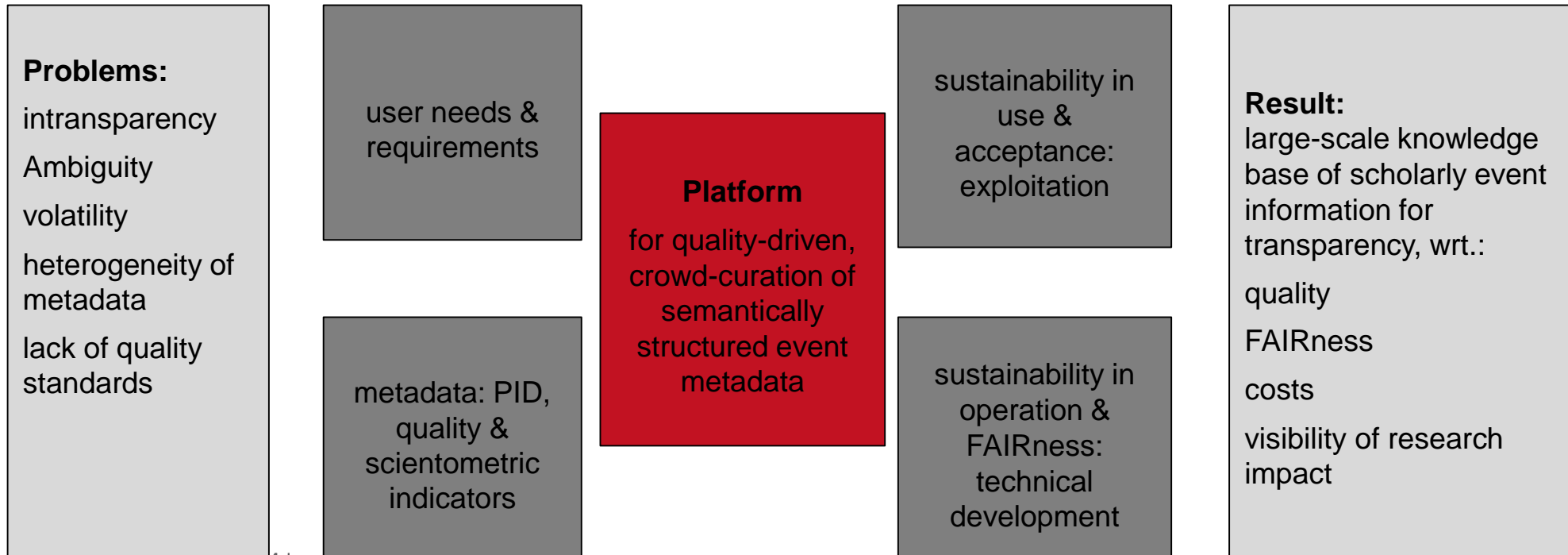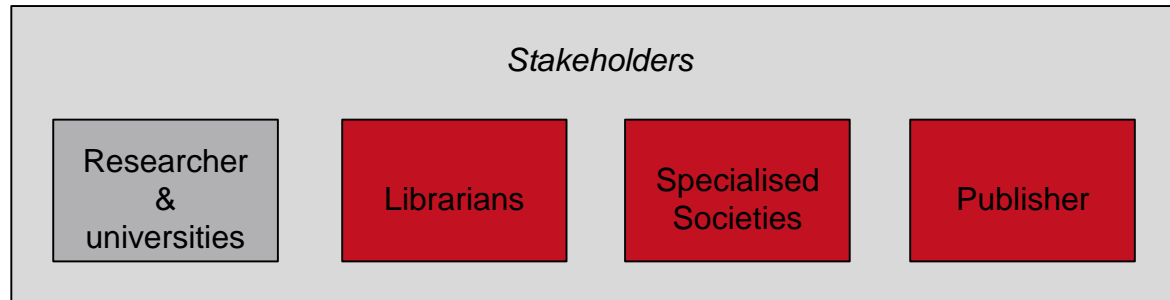
- **....**

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Thank you

Follow me at @birukou, @liquidpub, @SpringerCompSci

Follow ConfRef at @ConfRefOrg

Subscribe to updates on #confpid

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slide by Stephanie Hagemann-Wilholt

Stakeholders

| Researcher & universities | Librarians | Specialised Societies | Publisher |

Problems:

intransparency

Ambiguity

volatility

heterogeneity of metadata

lack of quality standards

user needs & requirements

metadata: PID, quality & scientometric indicators

Platform

for quality-driven, crowd-curation of semantically structured event metadata

sustainability in use & acceptance: exploitation

sustainability in operation & FAIRness: technical development

Result:

large-scale knowledge base of scholarly event information for transparency, wrt.:

quality

FAIRness

costs

visibility of research impact

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Use cases

Indexing - ScImagoJr

- **Conference Series level: ACM SIGKDD**

https://www.scimagojr.com/journalsearch.php?q=101510&tip=sid&clean=0

- **Conference level: IEEE CVPR 2008**

https://www.scimagojr.com/journalsearch.php?q=12100157103&tip=sid&clean=0

- **Book series level: LNCS**

https://www.scimagojr.com/journalsearch.php?q=25674&tip=sid&clean=0

Indexing – Web of Science

https://link.springer.com/conference/recomb

2014: not in WoS

Conference proceedings
RECOMB 2014

| 121 | 50 | 1.4k | 85k |
| Citations | Mentions | Readers | Downloads |

2015: in WoS

Conference proceedings
RECOMB 2015

| 53 | 29 | 731 | 72k |
| Citations | Mentions | Readers | Downloads |

2016: not in WoS

Conference proceedings
RECOMB 2016

| 13 | 3 | 256 | 29k |
| Citations | Mentions | Readers | Downloads |

2017: accepted for WoS

Conference proceedings
RECOMB 2017

| 31 | 38 | 329 | 29k |
| Citations | Mentions | Readers | Downloads |

2018: accepted for WoS

Conference proceedings
RECOMB 2018

| 4 | 13 | 106 | 19k |
| Citations | Mentions | Readers | Downloads |

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Metadata examples

Conference series metadata

- **ConfSeriesID:** the unique ID of the conference series, possibly DOI: acalci

- **ConfSeriesName**: "Australasian Conference on Artificial Life and Computational Intelligence"

- **ConfSeriesAcronym**: ACALCI

- **OtherIDs**: {DBLP, acalci}

- **Conf Series URL:** http://www.acalci.net/

- **ConfSeriesMaintainer**: the entity responsible for the conference series: International Society for Artificial Life (ISAL)

Conference instance metadata

- **ConferenceSeriesID:** acalci
- **ConferenceID:** acalci2015
- **ConfSeriesName**: "Australasian Conference on Artificial Life and Computational Intelligence"
- **ConfSeriesAcronym**: ACALCI
- **ConfNumber:** 1
- **StartDate:** 2015-02-05
- **EndDate:** 2015-02-07
- **City:** Newcastle
- **State:** NSW
- **Country:** Australia
- **Place:** The University of Newcastle Conservatorium of Music, Newcastle, Australia
- **URL :** http://alife.org/conference/acalci-2015
- **Proceedings metadata**

To add in the future

- **Program committee**
- **Organizing committee**
- **Keynote speakers**
- **Sponsors**
- **Submission and peer review info (Crossmark)**
- **Conference topics**
- **Hashtags, links to social media accounts**

More: relations

- **Umbrella conferences**

ETAPS, established in 1998, is a confederation of five main annual conferences (ESOP, FASE, FOSSACS, POST and TACAS) accompanied by satellite workshops and other events.

- **Colocated conferences**
  - hold together, but have different PC and program
- **Joint conferences**
  - hold together and share the PC and program

+ ASME 2017 Power Conference Joint With ICOPE-17 collocated with the ASME 2017 11th International Conference on Energy Sustainability, the ASME 2017 15th International Conference on Fuel Cell Science, Engineering and Technology, and the ASME 2017 Nuclear Forum (POWER2017-ICOPE-17)

CrossMark for proceedings – peer review

Crossmark for conference proceedings

Goals

- transparency of the peer review process

- identification of the conference, where the paper/chapter was presented

  - via conference's [persistent identifier](#)

Scope

- currently implemented in Springer Nature's computer science proceedings (LNCS, LNBIP, CCIS, IFIP-AICT and LNICST series)

- can be used not only by other Springer Nature disciplines with a significant percent of conference proceedings, but also by other Crossref members, publishing conference proceedings

Acknowledgements

- This project stems from the research on creating a dataset of peer review in computer science conferences published by Springer, carried out in the PEERE project: TD1306 - New Frontiers of Peer Review (PEERE)

Crossmark for conference proceedings - screenshots

International Symposium on String Processing and Information Retrieval
SPIRE 2018: String Processing and Information Retrieval pp 1-11 | Cite as

Recoloring the Colored de Bruijn Graph

Authors   Authors and affiliations

Bahar Alipanahi ✉, Alan Kuhnle, Christina Boucher

Conference paper
First Online: 14 September 2018

90
Downloads

Part of the Lecture Notes in Computer Science book series (LNCS, volume 11147)

is live since mid September 2018

About this paper

Check for updates

Cite this paper as:
Alipanahi B., Kuhnle A., Boucher C. (2018) Recoloring the Colored de Bruijn Graph. In: Gagie T., Moffat A., Navarro G., Cuadros-Vargas E. (eds) String Processing and Information Retrieval. SPIRE 2018. Lecture Notes in Computer Science, vol 11147. Springer, Cham

First Online
14 September 2018

DOI
https://doi.org/10.1007/978-3-030-00479-8_1

Publisher Name
Springer, Cham

Print ISBN
978-3-030-00478-1

Online ISBN
978-3-030-00479-8

eBook Packages
Computer Science

▼ More Information

Conference Information
Conference Acronym: SPIRE
Conference Name: International Symposium on String Processing and Information Retrieval
Conference City: Lima
Conference Country: Peru
Conference Year: 2018
Conference Start Date: 9 October 2018
Conference End Date: 11 October 2018
Conference Number: 25
Conference ID: spire2018
Conference URL: http://eventos.spc.org.pe/spire2018/

Peer Review Information
Type: Single-blind
Conference Management System: EasyChair
Number of Submissions Sent for Review: 51
Number of Full Papers Accepted: 22
Number of Short Papers Accepted: 6
Acceptance Rate of Full Papers: 43% - The value is computed by the equation "Number of Full Papers Accepted / Number of Submissions Sent for Review * 100" and then rounded to a whole number.
Average Number of Reviews per Paper: 3
Average Number of Papers per Reviewer: 3.8
External Reviewers Involved: Yes

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CrossMark for proceedings basics

Label	Meaning	Example	
Peer Review Type	single-blind, double-blind, open, other	single blind	
Conference Management System	EasyChair, CMT, etc.	OCS	
Number of Submissions Sent For Review	The number of papers sent for peer review. Does not include straightforward rejects by the PC chairs due to out-of-scope or other reasons	100	
Number of Papers Accepted For Publication	The number of full papers accepted.	30	
Acceptance Rate (%)	The number of papers/The number of submissions sent for review * 100	30	
Average Number of Reviews Per Paper	The number of reviews / the number of submissions sent for review.	3.25	
Additional Information about the Review Process	Any additional information provided about the peer review process by the organizers.	"Short papers underwent shepherding process and 5 out of 10 were accepted as full papers."	

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CrossMark for proceedings extended: basic PLUS

Label	Meaning	Example	
Number of Full Papers Accepted	The number of full papers accepted.	30	
Number of Short Papers Accepted	The number of short papers accepted.	12	
Acceptance Rate Full Papers (%)	The number of full papers/The number of submissions sent for review * 100	30	
Average Number of Papers per Reviewer	The number of papers each reviewer has to review on average.	5	
Were External Reviewers Involved	Were external reviewers (people not included in the Program Committee) involved?	Yes	

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More about ConfRef

The goal

a one-stop pan-publisher shop for authors, research evaluators, PC members/reviewers to find information about conferences

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Searching conferences

Why different from existing solutions?

- The data comes from a <u>trusted</u> source (Crossref, publishers, conference organizers), updated <u>automatically</u>

- Current solutions rely on crawling + community posts

The team

Aliaksandr Birukou: editorial director, LNCS, Computer Science proceedings and innovation at Springer

publishes CS proceedings and is responsible for R&D projects

chairs the Crossref/DataCite group on conference PIDs

PhD in ICT from the University of Trento, Italy (2009)

Kai Eckert: full professor at Stuttgart Media University

leads the Competence Center for Metadata Management and conducts applied research in information science and CS with the focus on Web-based information systems and services

an expert for Linked Open Data (LOD) solutions, metadata applications and data integration.

PhD in CS from the University of Mannheim, Germany (2012)

Andrey Gromyko: business developer / project manager at Net Wise
Among number of other projects, he has directly led the successful implementation, integration and deployment of the Springer LOD portal for Springer Nature.

We worked together on lod.springer.com, which then became SN SciGraph