



# ETD 2024

## 27<sup>th</sup> International Symposium on Electronic Theses and Dissertations

*"Electronic Thesis and Dissertation Visibility at a Global Scale"*

**November 4-6, 2024**  
**Livingstone · Zambia**

North America

US

Canada

South America

Brazil

Colombia

Chile

Peru

Argentina

E.

N.

Asia

India

Hong Kong

Sing.

Taiwan

Thail.

Jap.

Australia and New Zealand

Australia

New Zeal.

Africa

South Africa

Ghana

This is the short version of the booklet for print use. Full abstracts with all authors, references, and figures can be found in the electronic version at  
<https://amcosconference.com/>

The open-source L<sup>A</sup>T<sub>E</sub>X template, AMCOS\_booklet, used to generate this booklet is available at [https://github.com/maximelucas/AMCOS\\_booklet](https://github.com/maximelucas/AMCOS_booklet)

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# About

## **27th International Symposium on Electronic Theses and Dissertations**

The 27th International Symposium on Electronic Theses and Dissertations (ETD 2024) aims to bring together global leaders and researchers working in the broad areas of digital libraries, institutional repositories scholarly research and electronic theses and dissertations. The theme of ETD 2024 is "ETD Visibility at a Global Scale", and will explore innovative approaches that make use of Electronic Theses and Dissertations (ETDs), including the use of modern-day Artificial Intelligence techniques such as Large Language Models and exploration of advances that will result in increased visibility of ETDs at a Global Scale.

Thank you so very much for coming to Livingstone Zambia to participate in the ETD 2024 conference events. We sincerely hope you enjoy the conference and your short stay in Livingstone, and, more importantly have productive and worthwhile discussions and meet new people!

Zikomo Kwambili!

Best Wishes  
Lighton Phiri (Chair)

## **Local Conference Organizing committee**

|                         |                          |                        |
|-------------------------|--------------------------|------------------------|
| Lighton Phiri, UNZA     | Denny Nsokolo, HEA       | Francina Makondo, UNZA |
| Phyela Mbewe, UNZA      | Thabiso Mwiinga, UNZA    | Kaoma Daka, UNZA       |
| Matildah Muchinga, LAMU | Stein Mkandawire, ZAMREN | Buumba Dubeka, ZCAS    |
| Adrian Chisale, UNZA    | Dokowe Tembo, ZCAS       | Cecilia Kasonde, KNU   |
| Habeenzu Mulunda, UNZA  | Francis Kawesha, HEA     | Fabian Kakana, UNZA    |
| Brian Munkondya, MU     | Elijah Chileshe, UNZA    | Mpande Ntumbo, ZAMREN  |

## **Programme committee**

|                        |  |
|------------------------|--|
| Ana Pavani             | Pontifícia Universidade Católica do Rio de Janeiro           |
| Charles Greenberg      | NDLTD  |
| Edward Fox             | Virginia Tech  |
| Gabriela Mejias        | DataCite   |
| Hussein Suleman        | University of Cape Town                                      |
| Iryna Kuchma           | EIFL   |
| Jian Wu                | Old Dominion University                                      |
| Joachim Schöpfel       | University of Lille  |
| Lazarus Matizirofa     | University of the Witwatersrand                              |
| Lighton Phiri          | University of Zambia   |
| Maïté Roux             | ABES   |
| Mirjana Brkovic        | University of Novi Sad                                       |
| Nabi Hasan             | Indian Institute of Technology Delhi                         |
| Ramesh Gaur            | Indira Gandhi National Centre for the Arts                   |
| Shantashree Sengupta   | P.E.S Modern College of Arts Science and Commerce            |
| Tainá Batista De Assis | Brazilian Institute of Information in Science and Technology |
| William Ingram         | Virginia Polytechnic Institute and State University          |

# Partner Institutions and Sponsors

The ETD 2024 conference was organised by the Networked Digital Library of Theses and Dissertations (NDLTD) and, additionally hosted by The University of Zambia (UNZA) and co-hosted by The Higher Education Authority (HEA) of Zambia and Zambia Research and Education Network (ZAMREN).

## Gold, Silver and Gold Sponsors



## Partner Institutions/Organisations



# Timetable

CT: Contributed Talk, IS: Invited Speaker, KL: Keynote Lecture, IT: Invited Talk.

## Day 1. Monday, November 4, 2024

| Day 1. Monday, November 4, 2024 |                                  |   |   |
|---------------------------------|----------------------------------|---|---|
| 8:30–9:00                       | Registration                     |   |   |
| 08:30–10:00                     | CT                               | <b>Charles Greenberg,</b><br><b>Hussein Suleman,</b><br><b>Lighton Phiri</b><br>NDLTD | Workshop 1. ETDs 101: No Experience Required!               |
| 08:30–10:00                     | CT                               | <b>Lombe Tembo</b><br>ORCID   | Workshop 2. Leveraging ORCID's Global Participation Program |
| 10:00–10:15                     | Tea/Coffee                       |   |   |
| 10:15–13:00                     | CT                               | <b>Charles Greenberg,</b><br><b>Hussein Suleman,</b><br><b>Lighton Phiri</b><br>NDLTD | Workshop 1. ETDs 101: No Experience Required!               |
| 10:15–13:00                     | CT                               | <b>Lombe Tembo</b><br>ORCID   | Workshop 2. Leveraging ORCID's Global Participation Program |
| 13:00–14:00                     | Lunch                            |   |   |
| 14:00–16:00                     | CT                               | <b>Gabriela Mejias,</b><br><b>Olatunbosun Obileye</b><br>DataCite                     | Workshop 3. DataCite Connect                                |
| 14:00–16:00                     | CT                               | <b>Yinlin Chen, Bill Ingram,</b><br><b>Ed Fox</b><br>Virginia Tech                    | Workshop 4. Globalizing Knowledge                           |
| 16:00–16:15                     | Tea/Coffee                       |   |   |
| 16:15–18:00                     | CT                               | <b>Gabriela Mejias,</b><br><b>Olatunbosun Obileye</b><br>DataCite                     | Workshop 3. DataCite Connect                                |
| 16:15–18:00                     | CT                               | <b>Yinlin Chen, Bill Ingram,</b><br><b>Ed Fox</b><br>Virginia Tech                    | Workshop 4. Globalizing Knowledge                           |
| 18:00–20:00                     | NDLTD Board of Directors Meeting |   |   |

## Day 2. Tuesday, November 5, 2024

| Day 2. Tuesday, November 5, 2024 |  |   |  |
|----------------------------------|--|---|--|
| 07:30–18:00                      | <b>Registration</b>  |   |  |
| 08:30–09:45                      | <b>Openning Ceremony</b><br><b>Chair:</b> Habeenzu Mulunda<br><b>Venue:</b> Convention Centre                            |   |  |
| 08:30–08:40                      | <b>National Anthem</b>   |   |  |
| 08:40–08:45                      | <b>Prayer</b>  |   |  |
| 08:45–08:55                      | IS   | <b>Lighton Phiri</b><br>Chair, ETD 2024   | Welcom Remarks   |
| 08:55–09:05                      | IS   | <b>Stein Mkandawire</b><br>CEO, Zambia Research Education Network               | Opening Remarks  |
| 09:05–09:15                      | IS   | <b>Trywell Kalusopa</b><br>DVC of Research and Innovation, University of Zambia | Opening Remarks  |
| 09:15–09:25                      | IS   | <b>Kazhila C. Chinsembu</b><br>Director General, Higher Education Authority     | Opening Remarks  |
| 09:25–09:45                      | IS   | <b>Minister of Education</b><br>Ministry of Education                           | Welcome Speech   |
| 09:45–11:00                      | KL   | <b>Hussein Suleman</b><br>University of Cape Town                               | TBA  |
| 11:00–11:30                      | <b>Tea/Coffee</b>  |   |  |
| 11:30–11:45                      | IT   | <b>Sylvia Kgorane</b><br>ProQuest, a Part of Clarivate                          | Sponsor Talk   |
| 11:45–11:55                      | IT   | <b>Deane Kearns</b><br>EBSCO Information Services                               | Sponsor Talk   |
| 12:00–13:00                      | <b>Session 1A. Infrastructure and Technologies</b><br><b>Chair:</b> Charles Greenberg<br><b>Venue:</b> Convention Centre |   |  |
| 12:00–12:20                      | CT   | <b>Vivek Ranjan</b><br>INFLIBNET  | Landscape of Open Access Repositories with Special Reference to Electronic Theses and Dissertations (ETD) across SAARC and BRICS Nations: A Comparative Analysis |

|             |   |   |  |
|-------------|---|---|--|
| 12:20–12:40 | CT  | <b>Zillur Rahman</b><br>Ahsanullah University of Science and Technology | Designing a plan for sharing ETD among the University Libraries in Bangladesh  |
| 12:40–12:60 | CT  | <b>Kamani Perera</b><br>Chartered Institute of Personnel Management     | Implementing Persistent Identifier Infrastructure for Effective Management of ETD Repositories: A Case Study from Chartered Institute of Personnel Management, Sri Lanka |
| 12:00–13:00 | <b>Session 1B. Policies and Practices</b>       |   |  |
|             | <b>Chair:</b> Gabriela Mejias                   |   |  |
|             | <b>Venue:</b> Convention Centre                 |   |  |
| 12:00–12:20 | CT  | <b>Shahzeb Hassan</b><br>Akal University                                | Future-Proofing Research by Long-term ETD Preservation: Challenges and Opportunities   |
| 12:20–12:40 | CT  | <b>Jive Lubbungu</b><br>Kwame Nkrumah University                        | E-Theses and Dissertations in Zambia: A Case Study of Two Universities in Kabwe  |
| 12:40–12:60 | CT  | <b>Kamani Perera</b><br>Chartered Institute of Personnel Management     | Nurturing Advanced Research Culture among Medical Practitioners through ETDs: A case study from University of Kelaniya, Sri Lanka  |
| 13:00–14:00 | <b>Lunch</b>                                    |   |  |
| 14:00–15:30 | <b>Session 2A. Impact and Utilisation</b>       |   |  |
|             | <b>Chair:</b> Olatunbosun Obileye               |   |  |
|             | <b>Venue:</b> Convention Centre                 |   |  |
| 14:00–14:20 | CT  | <b>Xxxxx</b><br>XXXXXX  | Characterization of Scientific Production on Electronic Theses and Dissertations Based on a Bibliometric Analysis  |
| 14:20–14:40 | CT  | <b>Xxxxx</b><br>XXXXXX  | Extracting and Registering References to Improve Scholarly Impact of ETDs  |
| 14:40–15:00 | CT  | <b>Xxxxx</b><br>XXXXXX  | International Visibility of ETDs in Portuguese and in English on a Brazilian Repository  |
| 15:00–15:20 | CT  | <b>Xxxxx</b><br>XXXXXX  | Do More Complete Dissertations' Metadata Get More Engagement?  |
| 14:00–15:30 | <b>Session 2B. ETDs in Developing Countries</b> |   |  |
|             | <b>Chair:</b> Hussein Suleman                   |   |  |

|             |   | <b>Venue: Convention Centre</b> |   |
|-------------|---|---------------------------------|---|
| 14:00–14:20 | CT  | <b>Xxxxx</b><br>XXXXXX          | Improving the Mkulima Repository Content: Utilizing Theses, Dissertations, and LLMs for Agricultural Knowledge Dissemination in Kiswahili                 |
| 14:20–14:40 | CT  | <b>Xxxxx</b><br>XXXXXX          | The Changing Landscape in Research Data Management in Kenya's Universities: An Analysis of Development and Implementation                                 |
| 14:40–15:00 | CT  | <b>Xxxxx</b><br>XXXXXX          | Empowering HRM Professionals: Advancing Research Culture with ETDs in The Chartered Institute of Personnel Management (CIPM), Sri Lanka                   |
| 15:00–15:20 | CT  | <b>Xxxxx</b><br>XXXXXX          | Unlocking the Potential of ETDs: Implementation Novel ETD Repository in Chartered Institute of Personnel Management in Sri Lanka                          |
| 15:30–15:45 | <b>Tea/Coffee</b>   |                                 |   |
| 15:45–17:00 | <b>Session 3A. Infrastructure and Technologies</b><br><b>Chair: Kaoma Daka</b><br><b>Venue: Convention Centre</b> |                                 |   |
| 15:45–16:05 | CT  | <b>Xxxxx</b><br>XXXXXX          | A Pre-Processing Pipeline for Improved ETD Metadata Quality in Downstream Services  |
| 16:05–16:25 | CT  | <b>Xxxxx</b><br>XXXXXX          | Seamless Integration of Koha and DSpace for Enhanced Management of Theses and Dissertations in Hybrid Environment: a case of University of Zambia Library |
| 15:45–17:00 | <b>Session 3B. ETDs in Developing Countries</b><br><b>Chair: Fabian Kakana</b><br><b>Venue: Convention Centre</b> |                                 |   |
| 15:45–17:00 | CT  | <b>Xxxxx</b><br>XXXXXX          | Examining the Cultural and Institutional Factors Impacting ETD Visibility in Zambia: Policy and Practice Implications                                     |

|             |    |  |   |
|-------------|----|--|---|
| 16:05–16:25 | CT | Xxxxx<br>XXXXXX  | ETD MS v2.0: A New Schema<br>Draft for Electronic Theses and<br>Dissertations |
| 19:00–22:00 |    | <b>Mukuni BOMA Cultural Experience Welcome Reception</b> |   |

## **Day 3. Wednesday, November 6, 2024**

| Day 3. Wednesday, November 6, 2024 |   |  |   |
|------------------------------------|---|--|---|
| 07:30–18:00                        | <b>Registration</b>   |  |   |
| 08:30–09:30                        | <b>Session 4A. Invited Talks: ETD Initiatives in Zambia</b> |  |   |
|                                    | <b>Chair:</b> Denny Nsokolo                                 |  |   |
|                                    | <b>Venue:</b> Convention Centre                             |  |   |
| 08:30–08:40                        | IT  | <b>Benaia Akombwa</b><br>University of Zambia  | Scholarly Research Infrastructure   |
| 08:45–08:55                        | IT  | <b>Zachary Zulu</b><br>University of Zambia  | University of Zambia Institutional Repository   |
| 09:00–09:10                        | IT  | <b>Clement Sinyangwe</b><br>Chalimbana University  | Chalimbana University Institutional Repository  |
| 09:15–09:25                        | IT  | <b>Buumba Dubeka and Dokowe Tembo</b><br>ZCAS University                                     | ZCAS University Institutional Repository  |
| 09:30–09:40                        | IT  | <b>Buumba Dubeka and Dokowe Tembo</b><br>ZCAS University                                     | ZCAS University Institutional Repository  |
| 09:45–09:55                        | IT  | <b>Eness Chitumbo and Mosebjadi Petje</b><br>University of Zambia and Times Higher Education | University Ranking  |
| 10:00–11:00                        | <b>Session 5A. Panel Discussion</b>                         |  |   |
|                                    | <b>Chair:</b> Dokowe Tembo                                  |  |   |
|                                    | <b>Venue:</b> Convention Centre                             |  |   |
| 10:00–11:00                        | IT  | <b>How do we set up Successful ETD Projects in Zambia?</b><br>Moderator: Hussein Suleman     | Participants:<br>Gabriela Mejias (DataCite)<br>· Manoj Kumar (INFLIBNET) ·<br>Lighton Phiri (UNZA) ·<br>Zachary Zulu (UNZA) |
| 11:00–11:30                        | <b>Session 6A. Poster/Demo Session: Minute Madness</b>      |  |   |
|                                    | <b>Chair:</b> Lombe Tembo                                   |  |   |
|                                    | <b>Venue:</b> Convention Centre                             |  |   |
| 11:00–11:03                        | CT  | <b>Xxxxx Xxxxx</b><br>XXXXXX   | Enhancing Access to Scholarly Knowledge: Strategies for Promoting Open Access ETDs in Sri Lanka                             |
| 11:03–11:04                        | CT  | <b>Xxxxx Xxxxx</b><br>XXXXXX   | Xxxxx Xxxxx Xxxxx Xxxxx Xxxxx<br>Xxxxx Xxxxx Xxxxx Xxxxx Xxxxx<br>Xxxxx Xxxxx Xxxxx Xxxxx                                   |



|             |    |   |   |
|-------------|----|---|---|
| 11:30–11:32 | CT | <b>Xxxxx Xxxxx</b><br>XXXXXX                        | Xxxxx Xxxxx Xxxxx Xxxxx Xxxxx<br>Xxxxx Xxxxx Xxxxx Xxxxx Xxxxx<br>Xxxxx Xxxxx Xxxxx Xxxxx |
| 11:45–12:30 |    | <b>Tea/Coffee</b>                                   |   |
| 11:45–12:30 |    | <b>Session 7A. Poster Session with Tea/Coffee</b>   |   |
|             |    | <b>Chair: Thabiso Mwiinga</b>                       |   |
|             |    | <b>Venue: Convention Centre</b>                     |   |
| 12:30–13:00 |    | <b>Closing Ceremony</b>                             |   |
|             |    | <b>Chair: Buumba Dubeka</b>                         |   |
|             |    | <b>Venue: Convention Centre</b>                     |   |
| 12:30–12:45 | IT | <b>Lighton Phiri</b><br>Chair - ETD 2024            | Closing Remarks   |
| 12:45–13:00 | IT | <b>John Hagen</b><br>Executive Director -<br>USETDA | ETD 2025 Presentation   |
| 13:00–14:00 |    | <b>Lunch</b>  |   |
| 14:00–15:00 |    | <b>Mukuni Village Tour</b>                          |   |
| 14:00–15:00 |    | <b>Victoria Falls Tour</b>                          |   |

# List of Abstracts

## Workshops

### ETDs 101: No Experience Required!

**Charles Greenberg**, Networked Digital Library of Theses& Dissertations, United States

Many universities do not yet participate in the global network of digitized student theses or dissertations. The Networked Digital Library of Theses and Dissertations (NDLTD) wants to help universities to get started by sharing experiences of those that started ETD programs from nothing. Among the topics to be covered are: (i) Lifecycle Management of ETDs; (ii) Institutional Partnerships; (iii) Technology–Institutional repositories and OAI-PMH; (iv) Intellectual property issues; (v) Building an institutional concensus and (vi) Regional, National, and International support.

Please bring questions for the NDLTD Board members and paper presenters.

## **DataCite Connect: Global visibility for your ETDs and beyond with PIDs**

**Gabriela Mejias**, DataCite, Germany

PIDs and their associated metadata can be considered the building blocks of research infrastructure (Meadows et al., 2019). In addition, PIDs play a central role in the Open Science framework as they can increase transparency and recognition in research, and facilitate integration and interoperability, as well as making research FAIR (Wilkinson et al. 2016).

This half day workshop will explore how Persistent Identifiers (PIDs), particularly Digital Object Identifiers (DOIs), can significantly boost the global visibility of Electronic Theses and Dissertations (ETDs) and other research outputs. We'll cover the basics of PIDs, showing how DOIs improve visibility and discoverability for academic work. Through case studies, you'll see real-world examples of research organizations that have successfully integrated PIDs into their ETD repositories and other workflows. The session culminates in a breakout discussion to share best practices and explore implementation strategies. This workshop offers valuable insights for enhancing the visibility of your research through DataCite's PIDs, providing a unique opportunity to connect with the broader research community. Proposed activities:

- (20 min) Welcome and Ice breaker activity - (30 min) Introduction to Persistent Identifiers (PIDs) and how they support open research - (30 min) Discover the role of Digital Object Identifiers (DOIs) in making ETDs more visible and discoverable on a global scale.
- (30 min) Improving ETD and other research workflows with PIDs.
- (20 min) Coffee break
- (40 min) Case studies featuring invited guest speakers from research organizations implementing PIDs in their ETDs, research data repositories (and other!) workflows
- (50 min) Breakout session to discuss best practices and implementation workflows
- (10 min) Adjourn

Details of similar previous workshops:

<https://datacite.org/event/datacite-connect-gothenburg-dataciteconnect23/>

<https://datacite.org/event/datacite-connect-buenos-aires-dataciteconnect23/> ETD Open Science: Maximizing the Discoverability and Impact through Persistent Identifiers (PIDs) <https://etd2023.inflibnet.ac.in/programme.php>

Facilitators: Gabriela Mejias, Bosun Obileye (DataCite). Guest speakers from research institutions will be confirmed upon workshop acceptance notification.

## **Globalizing Knowledge: Leveraging Large Language Models to Enhance Accessibility of ETDs**

**Yinlin Chen**, Virginia Tech, United States

Electronic Theses and Dissertations (ETDs) encapsulate significant research findings and innovative ideas but often have limited visibility and accessibility, particularly in regions and disciplines with restricted digital reach. This workshop introduces an LLM-based application using a Retrieval-Augmented Generation (RAG) architectural approach to address these challenges. By utilizing LLMs to translate and standardize ETD metadata and content into a user's native language, a unified vector database is established as a knowledge source for retrieving relevant information. This information is then supplied to the LLMs to generate comprehensive responses, enhancing searchability tailored to local or remote ETD collections.

This approach improves the indexing and discoverability of ETDs and ensures accessibility across linguistic boundaries. During the workshop, we will present the details of this system's components, illustrating the program workflow and the interaction dynamics between the query, retrieval, and response generation phases. Participants will learn how to integrate these technologies into their digital library systems and repositories, adapting them to various institutional needs to enhance their ETD collections' global visibility and utility.

## **Leveraging ORCID's Global Participation Program and Regional Consortium Approach to enhance Global ETD discoverability and reuse**

**Lombe Tembo**, ORCID, Zambia

This workshop proposal aims to explore strategies for leveraging ORCID and Persistent Identifiers (PIDs) to enhance the discoverability and reusability of Electronic Theses and Dissertations (ETDs) on a global scale. ETDs represent a vital component of scholarly communication, providing valuable insights and contributions to research across various disciplines. However, their full potential often remains untapped due to challenges related to visibility, accessibility, and interoperability.

ORCID, providing an open registry and a unique identifier for researchers, offers a transformative solution to address these challenges by placing researchers at the center of scholarly communication. With over 6000 connected systems worldwide, ORCID provides a robust infrastructure to facilitate trusted data exchange through integrations with global scholarly systems and indexes. By adopting ORCID in ETD repositories, institutions can enhance the quality of data associated with ETDs, improve interoperability with other scholarly systems, and increase visibility and reuse on a global scale.

In addition to ORCID, other Persistent Identifiers (PIDs) play a crucial role in enhancing the discoverability of ETDs by providing unique and persistent links to scholarly output.

Through the implementation of PIDs in ETD repositories and connected systems, institutions can ensure that ETDs remain discoverable and accessible over time, thus maximizing their impact and visibility within the research community.

Furthermore, this workshop will explore the role of ORCID's Global Participation Program (GPP) and Regional Consortium initiatives to facilitate global communities of practice, fostering collaboration among diverse stakeholders that advance ETD management practices. By participating in the GPP and regional consortia, institutions can leverage collective expertise, resources, and networks to enhance the visibility and impact of ETDs on a global scale.

Through collaborative discussions, participants will gain actionable insights and strategies to effectively leverage ORCID and PIDs for ETD management and dissemination. By engaging with this workshop, participants will be empowered to maximize the impact of ETDs through PIDs within their institutions and contribute to the advancement of scholarly communication on a global scale.

This session can be part of a wider workshop relating to scholarly infrastructure and/or

PIDs, and can also be placed within the main conference presentation line-up.

## Full Papers

### Title of a keynote lecture

L. Tremblay, McGill University, Montreal, Canada

KL

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## Title of contributed talk

**M. Fournier**, Université Libre de Bruxelles, Brussels, Belgium

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## Title of invited speaker

**H. Sato**, Tokyo Institute of Technology, Tokyo, Japan



On recommend tolerably my belonging or am. Mutual has cannot beauty indeed now sussex merely you. It possible no husbands jennings ye offended packages pleasant he. Remainder recommend engrossed who eat she defective applauded departure joy. Get dissimilar not introduced day her apartments. Fully as taste he mr do smile abode every. Luckily offered article led lasting country minutes nor old. Happen people things oh is oppose up parish effect. Law handsome old outweigh humoured far appetite. Now residence dashwoods she excellent you. Shade being under his bed her. Much read on as draw. Blessing for ignorant exercise any yourself unpacked. Pleasant horrible but confined day end marriage. Eagerness furniture set preserved far recommend. Did even but nor are most gave hope. Secure active living depend son repair day ladies now. Affronting discretion as do is announcing. Now months esteem oppose nearer enable too six. She numerous unlocked you perceive speedily. Affixed offence spirits or ye of offices between. Real on shot it were four an as. Absolute bachelor rendered six nay you juvenile.

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## Title of contributed talk with math and paragraphs

**M. Smith,** Université Libre de Bruxelles, Brussels, Belgium

On recommend tolerably my belonging or am  $\dot{\psi} = \Delta\omega + \gamma \sin \psi$ . Mutual has cannot beauty indeed now sussex merely you. It possible no husbands jennings ye offended packages pleasant he. Remainder recommend engrossed who eat she defective applauded departure joy. Get dissimilar not introduced day her apartments. Fully as taste he mr do smile abode every. Luckily offered article led lasting country minutes nor old. Happen people things oh is oppose up parish effect. Law handsome old outweigh humoured far appetite.

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## Title of contributed talk with math and references

**M. Rodriguez,** UPF, Barcelona, Spain

On recommend [1] tolerably my belonging or am  $\dot{\psi} = \Delta\omega + \gamma \sin \psi$ . Mutual has cannot beauty indeed now sussex merely you. It possible no husbands jennings ye offended packages pleasant he. Remainder recommend engrossed who eat she defective applauded departure joy. Get dissimilar not introduced day her apartments. Fully as taste he mr do smile abode every. Luckily offered article led lasting country minutes nor old. Happen people things oh is oppose up parish effect. Law handsome old outweigh humoured far appetite. Now residence  $M \ll N$  dashwoods she excellent you. Shade being under his bed her. Much read on as draw. Blessing for ignorant exercise any yourself unpacked. Pleasant horrible but confined day end marriage. Eagerness furniture set preserved far recommend. Did even but nor are most gave hope. Secure active living depend son repair day ladies now. Affronting discretion as do is announcing. Now months esteem oppose nearer enable too six. She numerous unlocked you perceive speedily. Affixed offence spirits or ye of offices between. Real on shot it were four an as. Absolute bachelor rendered six nay you juvenile. Vanity entire an chatty to [2].

## Title of contributed talk and references and a figure

**M. Jansen**, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands

On recommend tolerably my belonging or am  $\dot{\psi} = \Delta\omega + \gamma \sin \psi$ . Mutual has cannot beauty indeed now sussex merely you. It possible no husbands jennings ye offended packages pleasant he. Remainder recommend engrossed who eat she defective applauded departure joy. Get dissimilar not introduced day her apartments. Fully as taste he mr do smile abode every. Luckily offered article led lasting country minutes nor old. Happen people things oh is oppose up parish effect. Law handsome old outweigh humoured far appetite. Now residence  $M \ll N$  dashwoods she excellent you. Shade being under his bed her. Much read on as draw. Blessing for ignorant exercise any yourself unpacked. Pleasant horrible but confined day end marriage. Eagerness furniture set preserved far recommend. Did even but nor are most gave hope. Secure active living depend son repair day ladies now. Affronting discretion as do is announcing. Now months esteem oppose nearer enable too six. She numerous unlocked you perceive speedily. Affixed offence spirits or ye of offices between. Real on shot it were four an as. Absolute bachelor rendered six nay you juvenile. Vanity entire an chatty to.

## Invited Speakers

### A Special Talk about Diversity in Science

**F. Schmidt**, Technical University of Munich, Munich, Germany

IT

One of the most consistent global trends in science over the last decades concerns the move from individual efforts of scientists to collaborative projects among several researchers. Across most scientific disciplines the solitary researcher has been replaced by collective efforts between individuals often distributed across organizations and countries. Accompanying this trend are efforts to understand the “ingredients” of excellent research teams. Social sciences, but also social psychology as well as social networks analysis have all contributed to the understanding of successful collaborations. This contribution will review the elements of excellent teams as well as highlighting how bias and stereotypes can undermine optimal group performance. The presentation will be rounded up by examples how diversity not only affects research collaboration but also improves the quality of the produced science and engineering knowledge.

# List of Posters

## Tuesday Session

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

### **A random abstract title**

J. Doe, *Bournemouth University, UK*

# List of Participants

|                       |   |               |
|-----------------------|---|---------------|
| Austin Mclean         | ProQuest, a part of Clarivate                                 | United States |
| Bertrand Thomas       | Abes  | France        |
| Charles Greenberg     | Networked Digital Library of Theses and Dissertations         | United States |
| Edward Fox            | Networked Digital Library of Theses and Dissertations (NDLTD) | United States |
| Ernest Banda          | Zynle Technologies Limited                                    | Zambia        |
| Gabriela Mejias       | DataCite  | Germany       |
| Hussein Suleman       | University of Cape Town                                       | South Africa  |
| Johanssen Obanda      | Crossref  | Kenya         |
| Josiline Chigwada     | University of South Africa                                    | South Africa  |
| Kudakwashe Siziva     | Datacite  | South Africa  |
| Lamia Salsabil        | Old Dominion University                                       | United States |
| Lombe Tembo           | ORCID   | Zambia        |
| Manoj Kumar K         | INFLIBNET Centre  | India         |
| Martin Nkumbula       | Zynle Technologies Limited                                    | Zambia        |
| Mduduзи Aubrey Ntetha | University of South Africa                                    | South Africa  |
| Olatunbosun Obileye   | DataCite  | Nigeria       |
| Olivier Cian          | ABES  | France        |
| Shahzeb Hasan         | Akal University   | India         |
| Vivek Ranjan          | Silver Oak University   | India         |

# Useful Information

**Talks** will be held at the **Conference Hall-Auditorium** of PRBB. It is situated on the first floor of the central courtyard and has independent access from the rest of the building (through stairs located at the ground floor, main entrance of PRBB).

**Coffee breaks and lunches** will be offered in the half-covered terrace in front of the main entrance of the conference hall.

The **poster session** will be held on Tuesday and Wednesday night on the **ground floor** of the PRBB.

Wi-Fi will be available during the conference. The PRBB also provides access to an eduroam network.

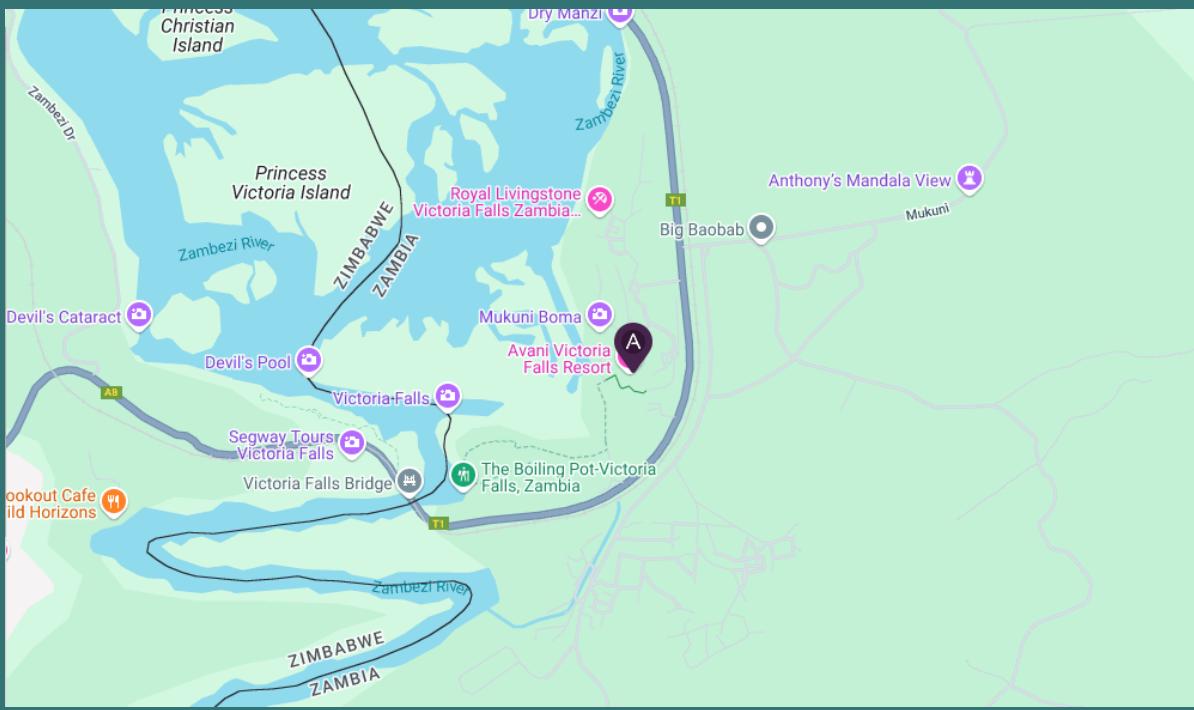
The **conference dinner** will be held at the "The best restaurant", at Some Street, 39, Barcelona.

## How to get to the Avani Victoria Falls Resort?

The PRBB building overlooks the Ronda del Litoral and is next to the twin towers of the Olympic Village: Torre Mapfre and Arts Hotel. The address is Carrer del Dr. Aiguader, 88, 08003 Barcelona, Spain. and can be reached by:

- **Subway:** yellow line, L4, station Ciutadella/Vila Olímpica,
- **Bus:** lines V21, 14, 36, 41, 45, 59, 71, 92, D20,
- **Tram:** line 4, stop Vila Olímpica.

## Avani Victoria Falls Resort: Google Maps Location



## Avani Victoria Falls Resort: Convention Centre Layout



