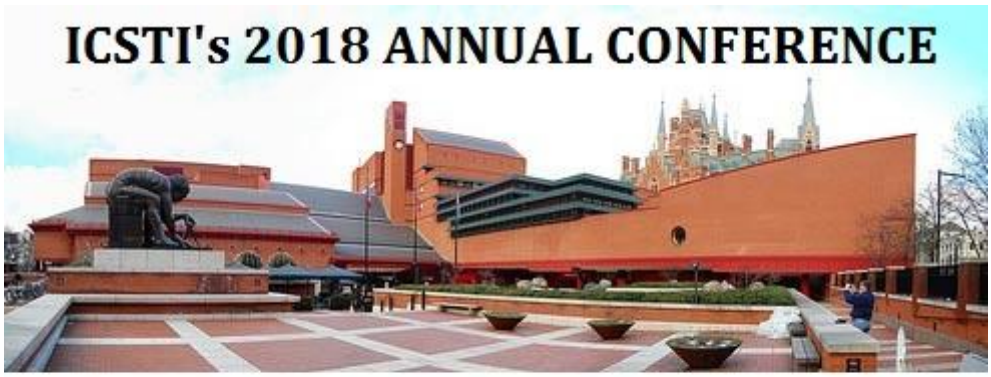


10-11 September 2018
Hosted by the British Library, London, UK

OUR SPEAKERS & THEIR TALKS

- Alphabetical order –

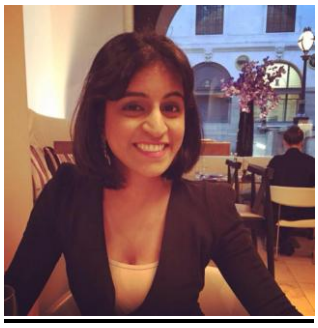
Bo Alroe – Digital Science

What is Dimensions?

How Digital Science's Dimensions serves the Scientific Library of the Future and supports Discovering and Connecting Related Research Objects in the Modern Science Landscape.

Bo Alroe *has worked in the Higher Education sector since 2004, focused on the institutional research management environment and helping universities and other research institutions develop tools, data, skills, and processes within research management and administration. He currently leads strategy efforts at Digital Science in London. Bo has worked with universities on research management in the US, UK, Germany, Austria, Belgium, the Netherlands, Australia, Malaysia, Japan, Taiwan, China, and of course the Scandinavian countries, where he is from.*

Bo will present at the session 'Innovations That Work'.



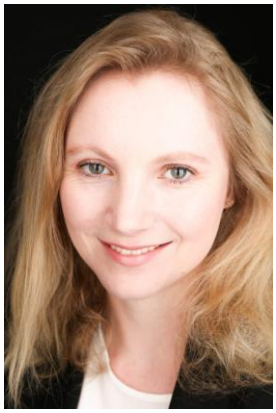
Manisha Bolina – Yewno

Yewno Discover: When there is too much information out there, how can we turn this into knowledge?

In age now when we are surrounded by lots of information we need to find better ways to understand that information and turn it into knowledge using Artificial Intelligence. Yewno's technology solves this problem and for strong research out-put institutions and libraries harnessing AI to manage information into knowledge empowers a researcher to do more and find new ideas and concepts which may have been overlooked by using traditional forms of discovery.

Manisha Bolina *graduated in 2006 with a BA (Hons) in French and Spanish from University of Southampton and with an MA in European Business from Royal Holloway College, University of London. Manisha has lived and worked in Spain and France whilst studying at Universidad de Alcalá de Henares, Madrid. Over the last 8 years Manisha has been successfully working with libraries in EMEA, Australasia and Asia to increase BioOne's footprint. At PCG over the last 18 months she has been strategizing with publishers for market research, business intelligence and sales projects. Manisha now manages library and publisher relationships across Europe for Yewno based in Oxford, UK.*

Manisha will present at the session 'Innovations That Work'.



Helena Cousijn – DataCite

Make Data Count: developing standardized data-level metrics

The Make Data Count (https://www.makedatacount.org) project set out to elevate research data as a first class scholarly output. In the last year, DataCite, California Digital Library, and DataONE have developed an approach for repositories to process and display comparable, standardized data-level-metrics (DLMs). Here, we will present an overview of the COUNTER standard developed and the first data metrics made available through this project. This will include: an overview of the work required to develop a data usage metrics standard, an open public hub for data usage and citation metrics, implementation in the California Digital Library Dash data publication platform and DataONE repositories, our experiences thus far in exposing metrics beyond views and downloads for data, and our roadmap forward. The aim is to equip interested attendants to adopt the Make Data Count approach, contribute information on data usage and citations, and display the available data-level metrics.

Dr. Helena Cousijn *obtained a DPhil in Neuroscience from the University of Oxford, where she developed a strong interest in research data. After having worked with various kinds of data and on several data-related challenges for the Netherlands Brain Bank and the Netherlands Organization for Scientific research, she decided to focus on research data full-time and joined Elsevier's Research Data Management group to help authors and institutions manage, share, and reuse data. Helena now works as Communications and Community Engagement Director for DataCite, a leading global non-profit organisation that provides persistent identifiers (DOIs) for research data.*

Helena will present at the TACC Workshop.

Konrad Förstner – ZB Med

The scientific library in transition - future tasks, challenges and opportunities

In basically all research fields digitalization has induced a transformation to a more open, transparent and efficient working mode. Scientific libraries can and should be partners of scientists and a driving force that facilitates this process. While the classical responsibilities of these libraries - namely to provide access to the scientific literature - remain, new tasks with several opportunities but also challenges emerge. Library must help to open up all facets of the research cycle for example by handling new types of research products like data and software. These additional tasks require a novel set of skills for librarians as well as new organisatory structures inside of scientific libraries. In this talk I would like to give my perspective and expectations as a researcher on the new role of scientific libraries and will shed light the ongoing transformation process at ZB MED - the German Information of Life Sciences.

Prof. Dr. Konrad Förstner *studied biochemistry and computer science in Greifswald, Germany, before performing a PhD in bioinformatics in the group of Peer Bork at the European Molecular Biology Laboratory (EMBL) in Heidelberg, Germany. After that he worked as freelancing software developer and then started postdoctoral research with Jörg Vogel at the Institute for Molecular Infection Biology (IMIB) and Cynthia Sharma at the Center for Infectious Diseases (ZINF) in Würzburg, Germany. He first became Head of Bioinformatics at the Core Unit Systems Medicine of the University and the University Clinic Würzburg and then the head of the full unit. Since May 2018 he is a joint professor for information literacy at the TH Köln and ZB MED (the German Information of Life Sciences) in Cologne where he leads the information service group.*

Konrad will present at the ITOC Workshop.

Rachael Kotarski – The British Library, Freya Project

British Library Data Strategy and Services

The British Library's updated Research Data Strategy sets out a vision of services for research data as business as usual for a national library. This talk will introduce the strategy and provide an insight into the Library's existing services and work around data including: DataCite, data.bl.uk, and FREYA, an EU-funded project developing infrastructure around persistent identifiers.

As the Data Services Lead for the British Library, ***Rachael Kotarski*** *is responsible for developing research data services at the British Library. The foremost of these is the DataCite UK service, and she has worked on a number of data citation and persistent identifier-related projects, including the current EU-funded FREYA project. 2017 marked the start of the new Research Data Strategy at the British Library, which will provide the foundation for a number of new services for research data.*

Rachael will present at the TACC Workshop.

Paolo Manghi – Istituto di Scienza e Tecnologie dell'Informazione, CNR (OpenAIRE infrastructure technical director)

"OpenAIRE: fostering Open Science publishing," including Scholexplorer (Scholix hub) and the Research Community Dashboard Service in OpenAIRE

OpenAIRE is the European infrastructure in support of Open Science. It fosters and monitors the adoption of Open Science across Europe and beyond, at the level of the Countries for legal issues, and cross-boundaries to address research community specific requirements. Its aim is to advocate the importance and the uptake of Open Science-oriented research life-cycles and publishing workflows, in support of reproducible science, transparent assessment, and omni-comprehensive scientific reward. To this aim OpenAIRE leverages the required cultural shift via a pervasive network of people (NOADs) in Europe, reaching out to other continents to achieve global alignment across continents and disciplines, and facilitates the technological shift by providing technical services and interoperability guidelines. In this presentation we shall present OpenAIRE Scholexplorer and the Research Community Dashboard. Scholexplorer offers access to a unique collection of links between publications and datasets: 31 m bi-directional links between 880,000 articles and 5,840,000 datasets. Using the RDA Scholix standard it collects publication-dataset links from publishers via CrossRef, form data centers via DataCite, and for publication repositories via OpenAIRE. The latter is a research community-oriented service, which offers communities the functionality to aggregate and discover their research outputs via a set of underlying OpenAIRE services that interlink publications, datasets, software, and research products to produce a 360o contextual view of a specific scholarly domain.

Paolo Manghi *is a (PhD) Researcher in computer science at Istituto di Scienza e Tecnologie dell'Informazione (ISTI) of Consiglio Nazionale delle Ricerche (CNR), in Pisa, Italy. He is the technical director of the OpenAIRE infrastructure, technical manager and researcher for the EU-H2020 infrastructure projects OpenAIRE2020, SoBigData.eu, PARTHENOS, EOSCpilot, Data4Impact, OpenUP, eInfraCentral, and RDA Europe, and he is the coordinator of the OpenAIRE-Connect project. He is active member of a number of Data Citation and Data Publishing Working groups of the Research Data Alliance; and invited member of the advisory boards of EC project and the Research Object initiative. His research areas of interest are today data e-infrastructures for science and scholarly communication infrastructures, with a focus on technologies supporting open science publishing, i.e. computational reproducibility and transparent evaluation of science.*

ORCID URL/identifier: http://orcid.org/0000-0001-7291-3210

Paolo will present at the TACC Workshop.

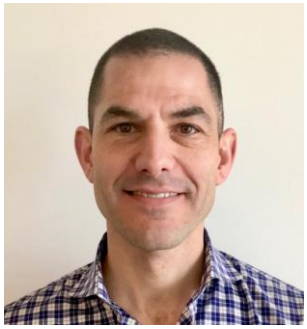
Abigail Potter – Library of Congress Labs

Library of Congress Labs: Piloting a digital strategy

Sr. Innovation Specialist, Abigail Potter, will highlight how the Library of Congress Labs team enables transformational experiences for users, prototypes ideas and builds relationships with stakeholders, and strengthens our broader community by sharing our work and outcomes—all to inform and pilot the Library of Congress digital strategy. She will cover how computation maximizes the value of the Library's digital collections, and how demonstrating and defining the possible paired with user and stakeholder feedback and analysis leads to solutions at scale.

Abigail Potter *is the acting Chief of National Digital Initiatives, otherwise known as Library of Congress Labs. She's currently working to support new, innovative and creative uses of the Library's digital collections. Since joining the Library of Congress in 2006, Abigail has contributed to the National Digital Information Infrastructure and Preservation Program (NDIIPP), the National Digital Stewardship Alliance (NDSA), the Section 108 Study Group, the Preserving Creative America initiative, and the International Internet Preservation Consortium (IIPC). Prior to joining the Library, Abigail worked on digital publishing and library programs at National Public Radio, the University of Michigan, and The Bulletin of the Atomic Scientists. Abigail earned an MS from the University of Michigan, School of Information and a BA from Western Michigan University.*

Abigail will present at the ITOC Workshop.



Douglas Raymond – Allen Institute for Artificial Intelligence

Advancing Towards More Efficient Review of Research Literature

Scientists have a mandate to stay up to date regarding the state of the art in their domains, and seek to build on the work of collaborators. However, published research is growing at an exponential rate, making this task more and more difficult. In this talk, Doug will first give an overview of Semantic Scholar, a project at the Allen Institute for Artificial Intelligence that seeks to address this question with advances in ranking, figure extraction, metadata extraction, document similarity and question answering and discuss how Semantic Scholar leverages AI to help researchers find the most relevant information efficiently; utilizing methods from data mining, natural-language processing, and computer vision. He then will describe the literature graph, their approach to capture semantics via a symbolic representation of the scientific literature, and discuss different approaches in presenting this information to researchers, and directions for future work.

Douglas Raymond *is the General Manager of Semantic Scholar, an AI-powered search engine and discovery tool that helps researchers survey the world's scholarly knowledge and extract insights. Doug previously worked at Amazon where he held GM and Product leadership roles in the Alexa, Performance advertising, and mobile applications groups, and at Google, where he held product management roles in the AdWords business and as the China monetization lead, based in Shanghai. As an entrepreneur, Doug was the CEO and founder of Julu Mobile, a mobile advertising technology company based in Shanghai, and a co-founder of Cargometrics, a data analytics company and investment manager based in Cambridge, Massachusetts. He is a graduate of the United States Military Academy and Harvard Business School.*

Douglas will present at the TACC Workshop.

Jan Reichelt – Clarivate Analytics

Giving researchers what they want - One-click article access across publishers websites and databases

Kopernio (www.kopernio.com) is an 'Innovation That Works' with already more than 20,000 users at over 400 institutions worldwide - it is a simple browser plugin that reduces the problem of finding and accessing research papers to one click, giving researchers access to subscription content via their institutional subscriptions as well as OA content across thousands of research databases and publisher websites. This talk will showcase the path from inception to success, and how it works.

Jan Reichelt *is currently the Managing Director for the Web of Science and Co-Founder of Kopernio at Clarivate Analytics. Previous to this he was the former Co-Founder of Mendeley, a global research-collaboration platform. Jan led the company from foundation to acquisition by Reed Elsevier in 2013. He continued to lead Mendeley while at Elsevier, successfully growing it to service millions of users. Jan also supports other startups as an angel investor, and sits on the board of Emerge Education, an EdTech-focused accelerator, and previously served as an advisor to SAP's supervisory board. He graduated with an MBA, having studied Business and Information Management in Germany, England and Italy.*

Jan will present at the session 'Innovations That Work'.

Torsten Reimer – The British Library

From Local Collections to Global Services – the British Library's new Research Services Strategy

Along with society more broadly, the world of research is changing. New policy environments encourage or force changing behaviour and generate new requirements from researchers (e.g. impact agenda, evaluation, open access and research data management). Pressures on funding coupled with increasing costs in some areas force libraries to make efficiencies and seek new business models. The emergence of new and the breakthrough of (somewhat) older technologies change user expectations and the environment we work in: digitisation of content, mobile technologies, instant remote access, data analytics and artificial intelligence are just a few examples. Physical space requirements are changing too as reading rooms move from solitary study of content to collaborative 'office' spaces for learners and digital facilities. Against this context, the presentation will outline the British Library's response to these changes – a new service strategy that aims to enhance our unique local collections by a set of global services to support research in an increasingly open, global knowledge environment.

As Head of Research Services at the British Library, ***Dr Torsten Reimer*** *leads a strategic change programme to redefine the Library's services to researchers, research organisations and in the global research infrastructure environment. Before joining the Library, Torsten lead on the development and implementation of the open science strategy at Imperial College London. Previous roles include managing research infrastructure programmes at Jisc and service management and research roles at King's College London.*

Torsten will present at the ITOC Workshop.

Jerry Sheehan – National Library of Medicine

The National Library of Medicine: A Platform for Biomedical Discovery and Data Powered Health

The National Library of Medicine (NLM) envisions a future in which data and information transform and accelerate biomedical discovery and improve health and health care. Achieving this vision will require NLM to refocus and enhance its research, development, training, and information services to make more biomedical data findable, accessible, interoperable, and reusable, to invent the tools and services to turn data and information into knowledge and insight, and to develop the workforce capable of doing so. It will require new forms of partnership and engagement with stakeholders in the public and private sectors, including researchers, librarians, health professionals, entrepreneurs and innovators, underserved communities, and the public. NLM's Strategic Plan 2017-2027 outlines NLM's priorities for enabling a future of biomedical discovery and data-powered health. It heralds a new research paradigm in which data-driven science complements experimental and observational approaches, care is characterized by high levels of personalization, and personally collected data become a foundation of self-knowledge and personal health management.

Jerry Sheehan *is Deputy Director of the National Library of Medicine (NLM), where he shares responsibility with the NLM Director for overall program development, program evaluation, policy formulation, direction and coordination of Library activities. Mr. Sheehan joined the NLM as Assistant Director for Policy Development in September 2006. In this position, he was responsible for monitoring, evaluating and advising NLM officials on a broad range of science, technology, information and health policy issues that affect the Library. He managed the trans-NIH Biomedical Informatics Coordinating Committee and served as a key link to a variety of communities in the public and private sectors that develop and implement such policies. From September 2015 to January 2017, Mr. Sheehan was on detail to the White House Office of Science and Technology Policy where he served as Assistant Director for Scientific Data and Information and helped advance open science policies across the Federal Government. Previously he led work on international science and innovation policy at the Paris-based Organization for Economic Cooperation and on computing and Internet policy at the U.S. National Academy of Sciences. Mr. Sheehan holds BS and MS degrees in Electrical Engineering and in Technology & Policy, respectively, from the Massachusetts Institute of Technology.*

Jerry will present at the ITOC Workshop.

Markus Stocker – German National Library of Science and Technology (TIB)

Towards infrastructure that curates scientific information communicated in scholarly literature

The critique is not new, the quest remains: Despite advances in information technology, the format of the scientific research article has largely remained unchanged. The wealth of scientific information continues to be stubbornly confined to the document, seemingly inseparable from the medium as hieroglyphs carved in stone. To be sure, important advances have been made. It is now possible to describe a statistical hypothesis test in machine readable form and thus have infrastructures curate such scientific information as distinct information objects. Moreover, thanks to virtual research environments enabling the execution of data analysis *on* interoperable infrastructure, the p-value resulting in a statistical hypothesis test is no longer a mere number but an information object relating the p-value to contextual information. In this talk, we argue that key technologies needed for infrastructure to acquire and curate *more* of the scientific information communicated in scholarly literature are in place. We will present developments and future plans of a community sustained open project recently initiated by the German National Library of Science and Technology (TIB) that tackles the described problem. With the talk, we aim to further spur interest among fellow scientific libraries and other interested parties to join and contribute to this open project.

Dr. Stocker *is Head of the Knowledge Infrastructures Research Group at the German National Library of Science and Technology (TIB). He holds a PhD in Environmental Informatics from the University of Eastern Finland, a MSc in Environmental Science from the University of Eastern Finland, and a Diploma (MSc) in Informatics from the University of Zurich, Switzerland. Prior to TIB, Dr. Stocker held a postdoctoral research associate position at PANGAEA, the Data Publisher for Earth & Environmental Science, at the MARUM Center for Marine Environmental Sciences, University of Bremen, Germany. As a member of the Research Data Alliance (RDA), Dr. Stocker is involved in various groups, in particular the WG Persistent Identification of Instruments and the IG From Observational Data to Information. He has several years of professional experience in software development and semantic technologies, with positions at Hewlett Packard Labs, Bristol, UK and Clark & Parsia, Washington DC, USA. Dr. Stocker enjoys working together with scientists and has experiences with aerosol scientists, biogeochemists, and agricultural scientists. He actively collaborates with environmental research infrastructures, in particular ACTRIS and ICOS.*

Markus will present at the ITOC Workshop.

Alex Wade – Chan Zuckerberg Initiative

Meta: scientific discovery beyond search

Meta discovers the science that's important to you—and delivers it in real-time to your personal feeds. This approach means you will never miss an important paper. Think of it as a digital stream of advances tailored to your scientific interests. Meta uses machine learning to organize new scientific knowledge the moment it is published and match it to your interests. Meta also lets you combine interests within a feed, creating intersections that can lead to unexpected discoveries. We think of this as smart serendipity. Use your creativity, then watch what emerges.

Alex Wade *is a recovering academic librarian and Technical Program Manager of the discovery service Meta at the Chan Zuckerberg Initiative. Prior to the Chan Zuckerberg Initiative, Alex was engineering manager for the Amazon Campus program, and during his 17 year tenure at Microsoft, was program manager for Microsoft Academic, Microsoft Cognitive Services, and Windows Search. Alex holds an MLIS degree from the University of Washington.*

Alex will present at the TACC Workshop.

Wilma van Wezenbeek – VSNU

Open access: the Dutch approach 2018-2020

In August 2011 ***Wilma van Wezenbeek*** *(1967) became director of the TU Delft Library, where she has been employed since 2006. Before joining the world of libraries, Wilma has held a career in scientific publishing for over 12 years and has a severe interest in scientific communication.*

From 1 January 2018 she also became Open Access Project Leader at the VSNU. In recent years Wilma has spearheaded national and international efforts to promote open access and open science. In the Fall of 2016, she was commissioned by the Ministry of Education, Culture and Science to lead the project team that wrote the National Open Science Plan (released in February 2017).

Wilma will present at the ITOC Workshop.