

## STI 2014 Sessions and papers

2014 07 04

Find below the program of the Science and Technology indicators conference 2014, 3-5 September in Leiden, the Netherlands. The exact schedule from day to day is still under construction and will be published as soon as possible. In the lists below you will find oral presentations (1), poster presentations (2) and special events (3).

The keynotes will be delivered by:

- Prof Diana Hicks, School of Public Policy at Georgia Tech
- Prof Peter Dahler-Larsen, Department of Political Science at the University of Copenhagen
- Dr Eppo Bruins Director of the Technology Foundation STW

### 1. Oral presentations (by session)

The following submissions were accepted for oral presentation.

Sessions (in no particular order)	Lectures
<b>Behavior of scientists</b>	• Jesper W. Schneider, Kaare Aagaard and Carter W. Bloch. What happens when funding is linked to (differentiated) publication counts? New insights from an evaluation of the Norwegian Publication Indicator
	• Thed N van Leeuwen and Marc Luwel. An in-depth analysis of retracted papers in the Web of Science
	• Philippe Mongeon and Vincent Larivière. The consequences of retractions for co-authors: scientific fraud and error in biomedicine
<b>Gender studies</b>	• Adèle Paul-Hus, Rébecca L. Bouvier, Chaoqun Ni, Cassidy R. Sugimoto, Vladimir Pislakov and Vincent Larivière. Women and science in Russia: a historical bibliometric analysis
	• Inge van der Weijden, Zohreh Zahedi, Ulle Must and Ingeborg Meijer. Gender differences in societal orientation and output of individual scientists
	• Cassidy Sugimoto, Chaoqun Ni, Jevin West and Vincent Larivière. Innovative women: an analysis of global gender disparities in patenting
<b>Careers and</b>	• Cathelijn Waaijer. The influence of career perspectives on the job choice of recent PhD graduates: a survey of five Dutch universities

Sessions (in no particular order)	Lectures
<b>trajectories</b>	<ul style="list-style-type: none"> <li>Inge van der Weijden and Clara Calero Medina. Gender, Academic Position and Scientific Publishing: a bibliometric analysis of the oeuvres of researchers</li> <li>Hanne Derycke, Katia Levecque, Noëmi Debacker, Karen Vandevelde and Frederik Anseel. Factors influencing PhD students' scientific productivity</li> <li>Held Souza and Vincent Larivière. The contribution of the postdoctoral fellows to the advancement of knowledge</li> <li>Heidi Skovgaard Pedersen. Is academic employment for the most talented or most persistent? Evidence on mobility flows from higher education institutions</li> </ul>
<b>Evaluation of individuals</b>	<ul style="list-style-type: none"> <li>Lorna Wildgaard and Birger Larsen. Cluster Analysis of Author Level Bibliometric Indicators</li> <li>Bart Thijs, Koenraad Debackere and Wolfgang Glänzel. Improved author profiling through the use of citation classes</li> <li>Nadine Rons. Investigation of Partition Cells as a Structural Basis Suitable for Assessments of Individual Scientists</li> <li>Antonio Perianes-Rodriguez and Javier Ruiz-Castillo. WITHIN AND ACROSS DEPARTMENT VARIABILITY IN INDIVIDUAL PRODUCTIVITY. THE CASE OF ECONOMICS</li> <li>Rodrigo Costas and Ed Noyons. From publications to people: bibliometric benchmarking of a selection of countries in the Life Sciences based on individual-level bibliometrics</li> </ul>
<b>Patent analysis</b>	<ul style="list-style-type: none"> <li>Koen Jonkers and Catalina Martinez. Patents on gene sequences in plant biotechnology</li> <li>Joaquín M. Azagra-Caro and Elena M. Tur. Examiners amending applicants at the European Patent Office: procedures, knowledge bases and country specificities</li> <li>Yuen Ping Ho and Poh-Kam Wong. Using Patent Indicators to Evaluate the Strategic Priorities of Public Research Institutions: An exploratory study</li> </ul>
<b>University-Industry collaboration</b>	<ul style="list-style-type: none"> <li>Poh Kam Wong and Annette Singh. Examining the Relationship between Co-Publications with Industry and Technology Commercialization Output of Academics: The Case of the National University of Singapore</li> <li>Alfredo Yegros-Yegros, Joaquín M. Azagra-Caro, Mayte López-Ferrer and Robert J.W. Tijssen. Do University-Industry co-publication volumes correspond with university funding from business firms?</li> <li>Alfredo Yegros-Yegros and Robert J.W. Tijssen. University-Industry dual appointments: global trends and their role in the interaction with industry</li> </ul>
<b>Evaluating of funding systems</b>	<ul style="list-style-type: none"> <li>Benedetto Lepori, Barbara Heller-Schuh, Thomas Scherngell and Michael Barber. Understanding factors influencing participation in European programs of Higher Education Institutions</li> <li>Nicolas Carayol and Marianne Lanoe. The Impact of Blue Sky Project Based Funding of Academic Research</li> </ul>

Sessions (in no particular order)	Lectures
	<ul style="list-style-type: none"> <li>Daniele Rotolo and Michael Hopkins. Do funding sources complement or substitute? The case of the UK cancer research</li> </ul>
	<ul style="list-style-type: none"> <li>Ulf Sandstrom, Peter Van Den Besselaar and Ulf Heyman. Bang for the Bucks: Is Competitive Funding Necessarily the Road to Better Performance?</li> </ul>
<b>Usage data and citations</b>	<ul style="list-style-type: none"> <li>Wolfgang Glänzel and Sarah Heeffer. Cross-national preferences and similarities in downloads and citations of scientific articles: A pilot study</li> </ul>
	<ul style="list-style-type: none"> <li>Gali Halevi and Henk Moed. Usage patterns of scientific journals and their relationship to citations</li> </ul>
<b>Data sources</b>	<ul style="list-style-type: none"> <li>Daniel Torres-Salinas, Evaristo Jiménez-Contreras and Nicolas Robinson-García. How many citations are there in the Data Citation Index?</li> </ul>
	<ul style="list-style-type: none"> <li>Martijn Visser. Incorporating conference papers in impact assessment exercises</li> </ul>
	<ul style="list-style-type: none"> <li>Tommaso Ciarli, Ismael Rafols and Oscar Llopis. The under-representation of developing countries in the main bibliometric databases: a comparison of rice studies in the Web of Science, Scopus and CAB Abstracts</li> </ul>
<b>Field analysis</b>	<ul style="list-style-type: none"> <li>Lili Wang, Jojo Jacob and Zibiao Li. Funding for some, spillover for others: Explaining the emergence of nanotechnology in Chinese regions</li> </ul>
	<ul style="list-style-type: none"> <li>Mirjam Schomaker and Ed Noyons. A methodological study to structure biofuel science and put its publication dynamics into context</li> </ul>
	<ul style="list-style-type: none"> <li>Daniele Rotolo, Michael Hopkins, Ismael Rafols and Stuart Hogarth. Cervical cancer screening and the emergence of molecular biology: Institutional groups and network bridges</li> </ul>
<b>Disciplines and interdisciplinarity</b>	<ul style="list-style-type: none"> <li>Edgar Schiebel, Ivana Roche, Dominique Besagni, Claire Francois and Marianne Hörlesberger. A textual approach to measure the interdisciplinary character of research proposals for ERC starting grants</li> </ul>
	<ul style="list-style-type: none"> <li>Elizabeth Koier and Edwin Horlings. How accurately does output reflect the nature and design of transdisciplinary research programmes?</li> </ul>
	<ul style="list-style-type: none"> <li>Irene Bongioanni, Cinzia Daraio, Henk Moed and Giancarlo Ruocco. Disciplinary Profiles and Performance of Research Systems: a World Comparison at the Country level</li> </ul>
<b>Innovation studies</b>	<ul style="list-style-type: none"> <li>Franz Barjak and Marc Bill. Paving the way for a new composite indicator on business model innovations</li> </ul>
	<ul style="list-style-type: none"> <li>Loet Leydesdorff, Floortje Alkemade and Gaston Heimeriks. Patents as Instruments for Exploring Innovation Dynamics: Different Perspectives on "Photovoltaic Cells"</li> </ul>
	<ul style="list-style-type: none"> <li>Gaston Heimeriks, Floortje Alkemade, Antoine Schoen, Lionel Villard and Patricia Laurens. Patterns of Globalisation: Geographical, Sectoral and Technological Developments in Corporate Invention.</li> </ul>
<b>Research teams</b>	<ul style="list-style-type: none"> <li>Rickard Danell. The contribution of authors: A study of the relationship between the size of author teams and the composition of author teams</li> </ul>
	<ul style="list-style-type: none"> <li>Jian Wang and Diana Hicks. The organization of science: teams and networks</li> </ul>
	<ul style="list-style-type: none"> <li>Masatsura Igami and Sadao Nagaoka. Exploring the effects of the motivation of a research project on the research team composition, management, and outputs</li> </ul>

Sessions (in no particular order)	Lectures
<b>New algorithms</b>	<ul style="list-style-type: none"> <li>Daniel Sirtes and Mathias Riechert. A Fully Automated Method for the Unification of Funding Organizations in the Web of Knowledge</li> </ul>
	<ul style="list-style-type: none"> <li>Raf Guns. Pruning cooccurrence networks</li> </ul>
	<ul style="list-style-type: none"> <li>Emiel Caron and Nees-Jan van Eck. Large scale author name disambiguation using rule-based scoring and clustering</li> </ul>
<b>Social sciences and humanities</b>	<ul style="list-style-type: none"> <li>Fereshteh Didegah and Mike Thelwall. Article Properties Associating with the Citation Impact of Individual Articles in the Social Sciences</li> </ul>
	<ul style="list-style-type: none"> <li>Christian Gumpenberger, Johannes Sorz, Martin Wieland and Juan Gorraiz. Humanities in the bibliometric spotlight - Research output analysis at the University of Vienna and considerations for increasing visibility</li> </ul>
	<ul style="list-style-type: none"> <li>Cristina Restrepo-Arango and Jane M. Russell. Methodological Proposal for Evaluating Performance of Social Science Researchers in Mexico</li> </ul>
	<ul style="list-style-type: none"> <li>Ad Prins, Rodrigo Costas, Thed Van Leeuwen and Paul Wouters. Using Google Scholar for research evaluation in the Social Sciences, a comparison with Web of Science data</li> </ul>
<b>Citation analysis normalization</b>	<ul style="list-style-type: none"> <li>Gunnar Sivertsen. Scholarly publication patterns in the social sciences and humanities and their coverage in Scopus and Web of Science</li> </ul>
	<ul style="list-style-type: none"> <li>Javier Ruiz-Castillo and Ludo Waltman. Field-normalized citation impact indicators using algorithmically constructed classification systems of science</li> </ul>
	<ul style="list-style-type: none"> <li>John Chase and Scott Cunningham. Putting citation in its place: Exploring the role of geography in publication impact</li> </ul>
<b>Research evaluation methods</b>	<ul style="list-style-type: none"> <li>Javier Ruiz-Castillo and Rodrigo Costas. THE SKEWNESS OF SCIENTIFIC PRODUCTIVITY</li> </ul>
	<ul style="list-style-type: none"> <li>Marco Malgarini, Tindaro Cicero and Sergio Benedetto. Research quality, characteristics of publications and socio-demographic features of Universities and Researchers: evidence from the Italian VQR 2004-2010 evaluation exercise</li> </ul>
	<ul style="list-style-type: none"> <li>Jordi Molas-Gallart, Pablo D'Este Rafols, Oscar Llopis and Ismael Rafols. Towards an alternative framework for the evaluation of translational research initiatives</li> </ul>
<b>Research evaluation processes</b>	<ul style="list-style-type: none"> <li>Henk Moed and Gali Halevi. Metrics-Based Research Assessment</li> </ul>
	<ul style="list-style-type: none"> <li>Matthew Wallace and Ismael Rafols. Characterizing the research landscape of Influenza A: new tools to inform policymaking</li> </ul>
	<ul style="list-style-type: none"> <li>Gemma Derrick, Ingeborg Meijer and Eric van Wijk. Unwrapping "impact" for evaluation: A co-word analysis of the UK REF2014 policy documents using VOSviewer</li> </ul>
<b>Studies of funding systems</b>	<ul style="list-style-type: none"> <li>Per Ahlgren. The SNIP indicator in relation to the Norwegian model</li> </ul>
	<ul style="list-style-type: none"> <li>A. I. M. Jakaria Rahman, Raf Guns and Tim C.E. Engels. Assessment of expertise overlap between expert panel and research groups</li> </ul>
<b>Studies of funding systems</b>	<ul style="list-style-type: none"> <li>Aparna Basu. A typology of countries based on efficiency of publication and patenting with respect to manpower and expenditure</li> </ul>

Sessions (in no particular order)	Lectures
	<ul style="list-style-type: none"> <li data-bbox="477 264 1993 300">• Gemma Derrick. Intentions and strategies for evaluating the societal impact of research: Insights from REF2014 evaluators</li> </ul>
<b>Visualization</b>	<ul style="list-style-type: none"> <li data-bbox="477 308 1993 343">• Peter Kraker, Philipp Weißensteiner and Peter Brusilovsky. Altmetrics-based Visualizations Depicting the Evolution of a Knowledge Domain</li> </ul>
	<ul style="list-style-type: none"> <li data-bbox="477 351 1993 386">• Nees Jan Van Eck and Ludo Waltman. CitNetExplorer: A new software tool for analyzing and visualizing citation networks</li> </ul>
<b>Exploring citation impact</b>	<ul style="list-style-type: none"> <li data-bbox="477 394 1993 458">• Jesper W. Schneider and Rodrigo Costas. Identifying potential ‘breakthrough’ research articles using refined citation analyses: Three explorative approaches</li> </ul>
	<ul style="list-style-type: none"> <li data-bbox="477 466 1993 501">• Richard Klavans, Kevin W. Boyack, Henry Small, Aaron A. Sorensen and John P. A. Ioannidis. Indicators of Innovative Research</li> </ul>
	<ul style="list-style-type: none"> <li data-bbox="477 509 1993 544">• Stefanie Haustein, Vincent Larivière and Katy Börner. Long-distance interdisciplinary research leads to higher citation impact</li> </ul>
	<ul style="list-style-type: none"> <li data-bbox="477 552 1993 587">• Kevin W. Boyack and Richard Klavans. Atypical combinations are confounded by disciplinary effects</li> </ul>
<b>Altmetrics applications</b>	<ul style="list-style-type: none"> <li data-bbox="477 595 1993 659">• Zohreh Zahedi, Rodrigo Costas and Paul Wouters. Broad altmetric analysis of Mendeley readerships through the career stages of the readers</li> </ul>
	<ul style="list-style-type: none"> <li data-bbox="477 667 1993 702">• Jonathan Levitt and Mike Thelwall. Investigating the Impact of the Award of the Nobel Prize on Tweets</li> </ul>
	<ul style="list-style-type: none"> <li data-bbox="477 710 1993 745">• Judit Bar-Ilan and Inge van der Weijden. Altmetric gender bias? – Preliminary results</li> </ul>

## 2. Poster presentations

The following submissions were accepted as poster presentations.

Authors	Title
Mehmet Abdulhayoglu and Bart Thijs	Enrichment of Bibliometric Databases by Assigning Region Information by means of the Web
Manuel Acosta Seró, Lydia Bares Lopez, Daniel Coronado Guerrero and María Dolores León Rodríguez	Academic Patenting and its consequences on Scientific Research. Some Evidence for Spain
Bruno Henrique Alves and Ely Francina Tannuri Oliveira	Theoretical foundations: a study of normalized indicators Salton's Cosine and Jaccard Index in Author Co-citation Analysis
Maria Cláudia Cabrini Grácio and Ely Francina Tannuri de Oliveira	Normalized Citation Indexes: a theoretical methodological study applied to science
Nicolas Carayol and Valerio Sterzi	Signaling and the Ownership of Academic Patents
Pei-Shan Chi	Citations between books and journals in political science
Cinzia Daraio, Flavia Di Costa and Henk F. Moed	Towards Concordance Tables of Different Subject Classification Systems
Adrián A. Díaz-Faes, M <sup>a</sup> Purificación Galindo and María Bordons	Exploring internationality and collaborative behaviour of scientists in Social Sciences and Humanities
Paul Donner	Enhanced self-citation detection by fuzzy author name matching
Sibele Fausto and Rogério Mugnaini	The presence of USP in PLOS journals
Sibele Fausto and Tiago Murakami	Extraction and sharing citation data from Google Scholar for collaborative exploration
Gaizka Garechana, Rosa Río-Belver, Ernesto Cilleruelo-Carrasco and Javier Gavilanes-Trapote	Effects of cuts in R&D investment in the quality and quantity of the research output of Spanish universities.
Renata Cristina Gutierrez Castanha, Carla Mara Hilário and Maria Cláudia Cabrini Grácio	International scientific collaboration index: an analysis of Brazilian science (1980-2009)
Peter Haddawy and Saeed-UI Hassan	A Comparison of Three Prominent Journal Metrics with Expert Judgement of Journal Quality
Saeed-UI Hassan	Semantic Analysis of Knowledge Flows using Scientific Literature
Dorte Henriksen and Jesper Schneider	Is the publication behavior of Danish researchers affected by the national Danish publication indicator? A preliminary analysis.
Mei H.C. Ho, John S. Liu and Max Kuan	Torn between Scientific Publications and U-I Collaboration?
Mei-Chih Hu, Hsien-Chen Lo, Yung-Ching Tseng and Shih-Chang Hung	Exploring determinants of university-industry collaborations in Taiwan: The case of the National Tsing Hua University
Arlette Jappe and Thomas Heinze	The development of bibliometric indicators as a string of inventions: Dynamic mapping of the core of evaluative bibliometrics

Authors	Title
Naeyang Jeong, Jun Young Lee and Dae Nyoung Heo	Constructing Composite Indicators of Basic Research: Conceptual Issues
Michael Khor and Ligen Yu	How has International Collaboration been beneficial to Young Universities? A Case Study for 27 Young Universities
Set Byul Kwon, Jun Young Lee, Dae Nyoung Heo and Choong Han Song	Performance Analysis of Major Basic Science Research Institutes By Bibliometric Methods : The Status of Basic Science Research in Korea and the Establishment of IBS
Loet Leydesdorff, Felix de Moya-Anegon and Wouter de Nooy	Scopus and Web-of-Science 2012 compared in terms of aggregated journal-journal citation relations: global maps and interactive overlays
Xuemei Li and Mike Thelwall	Citations to arXiv, RePEc, SSRN and PubMed in Scopus from 2000 to 2013
Yuxian Liu and Cong Cao	Media coverage of genetically modified foods in China
Diana Lucio-Arias and Sandra Carolina Rivera	Characterizing collaborations with bibliometric measures: enhancing descriptive indicators and co-authorship data
Valentina Markusova, Alexander Libkind, Levan Mindeli and Ed Noyons	Russian Universities Collaboration with Domestic and Foreign Funding Agencies
Fernanda Morillo, Borja González-Albo and Luz Moreno	Public-private co-publications beyond university-industry links
Sabrina Petersohn	Using bibliometrics in research evaluation and research support - Academic librarians as professional providers of bibliometric services
Carolina Rivera-Torres and Marcela Galvis-Restrepo	Analysing human resources and knowledge production in Colombian universities
Nicolas Robinson-García, Evaristo Jimenez-Contreras and Clara Calero-Medina	The impact of a few: The effect of alternative formulas for recruiting talent in a non-competitive system
Ronald Rousseau	Skewness for journal citation curves
Ayaka Saka	Comparison of the number of unique corresponding authors estimated using their e-mail addresses
Antoine Schoen, Catherine Paradeise, Lionel Cauchard and Marianne Noël	A double shift in researchers' activity profiles. An actor-based analysis of the making of quality in high standing academic departments
Nobuyuki Shirakawa and Takao Furukawa	Invisible College Ranking: An Empirical Study of How Chinese Graduate Student Mobility Underpins Research Universities
Arho Suominen and Hannes Toivanen	Mapping the focus of research systems with topic modelling: Finland 1995-2011
Tung-Fei Tsai-Lin, Yuan-Chieh Chang and Bernhard Katzy	The impact of academic patenting on publication performance: The multi-dimensional framework
Qi Wang	Detecting emerging research areas
Lorna Wildgaard	The effects of 'ready to use' bibliometric indicators
Erjia Yan	The impact of science policies on knowledge production and innovation: A research agenda





### 3. Special events

During the conference we will have special events. The following events we admitted.

Authors	Title
Judit Bar-Ilan, Paul Wouters, Dana Mietzner, Inge van der Weijden, Isidro Aguillo, Clifford Tatum and Lorna Wildgaard.	Are you being evaluated? Need for new approaches in evaluation practices
Ismael Rafols, Paul Wouters and Sarah de Rijcke.	Quality standards for evaluation indicators: Any chance for the dream to come true?
Ben Jongbloed, Benedetto Lepori and Paul Wouters.	Roundtable on three data-driven multi-country/multi-university projects: ETER, U-Multirank and the Leiden Ranking
Gusta Drenthe, Gert Goris, Judith Gulpers and Wouter Gerritsma.	How to deal with Unsettling Realities of Bibliometric Services in Universities
RISIS	Panel discussion on RISIS initiative