

Combining Bibliometrics and Information Retrieval

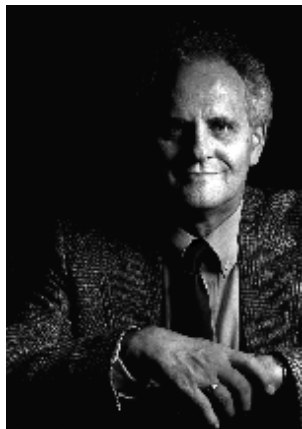
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Andreas Scharnhorst, Howard D. White

ISSI 2013, Vienna
2013-07-15

Who we are



Andrea Scharnhorst



Howard D. White



Philipp Schaer

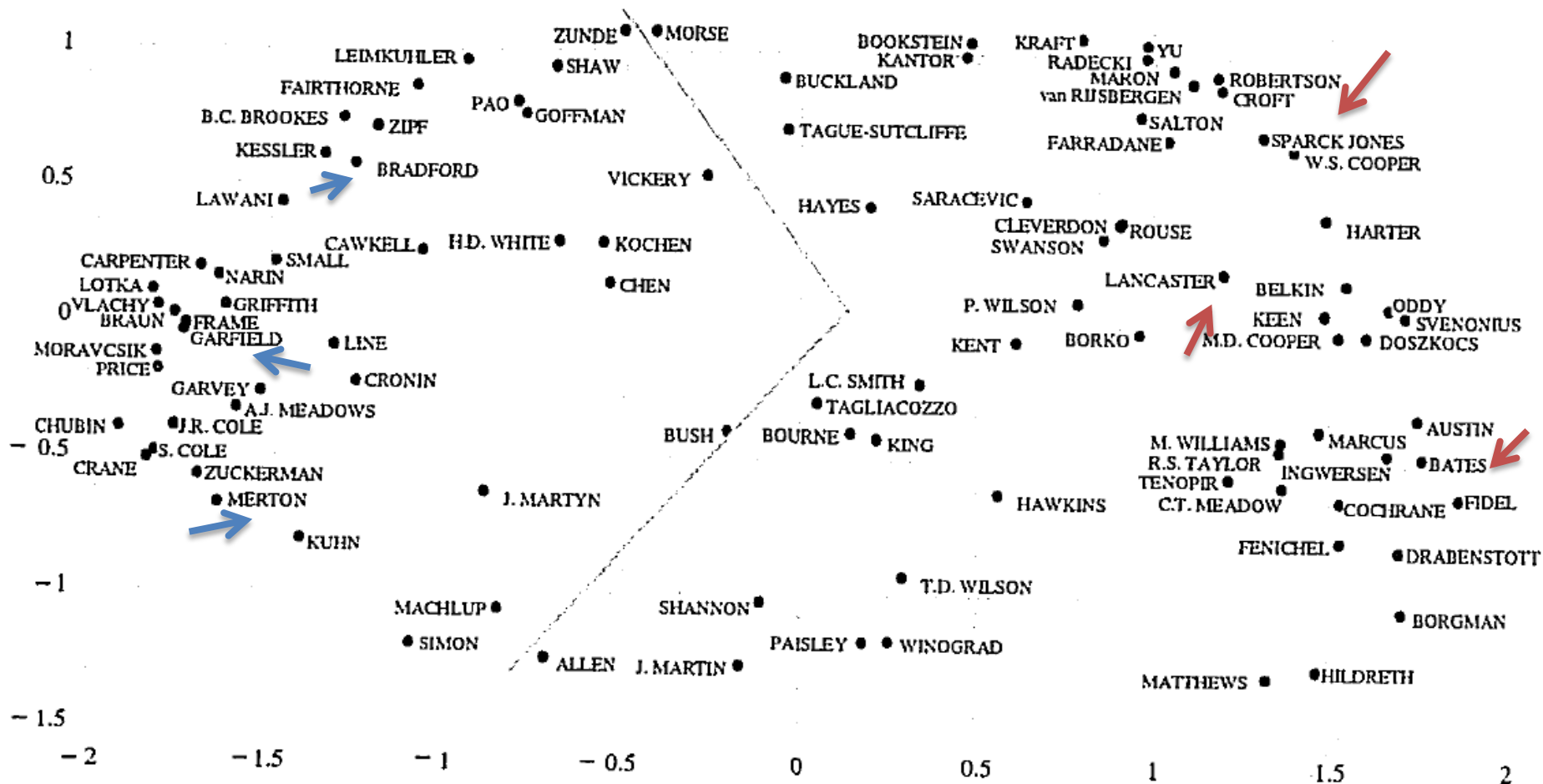


Peter Mutschke

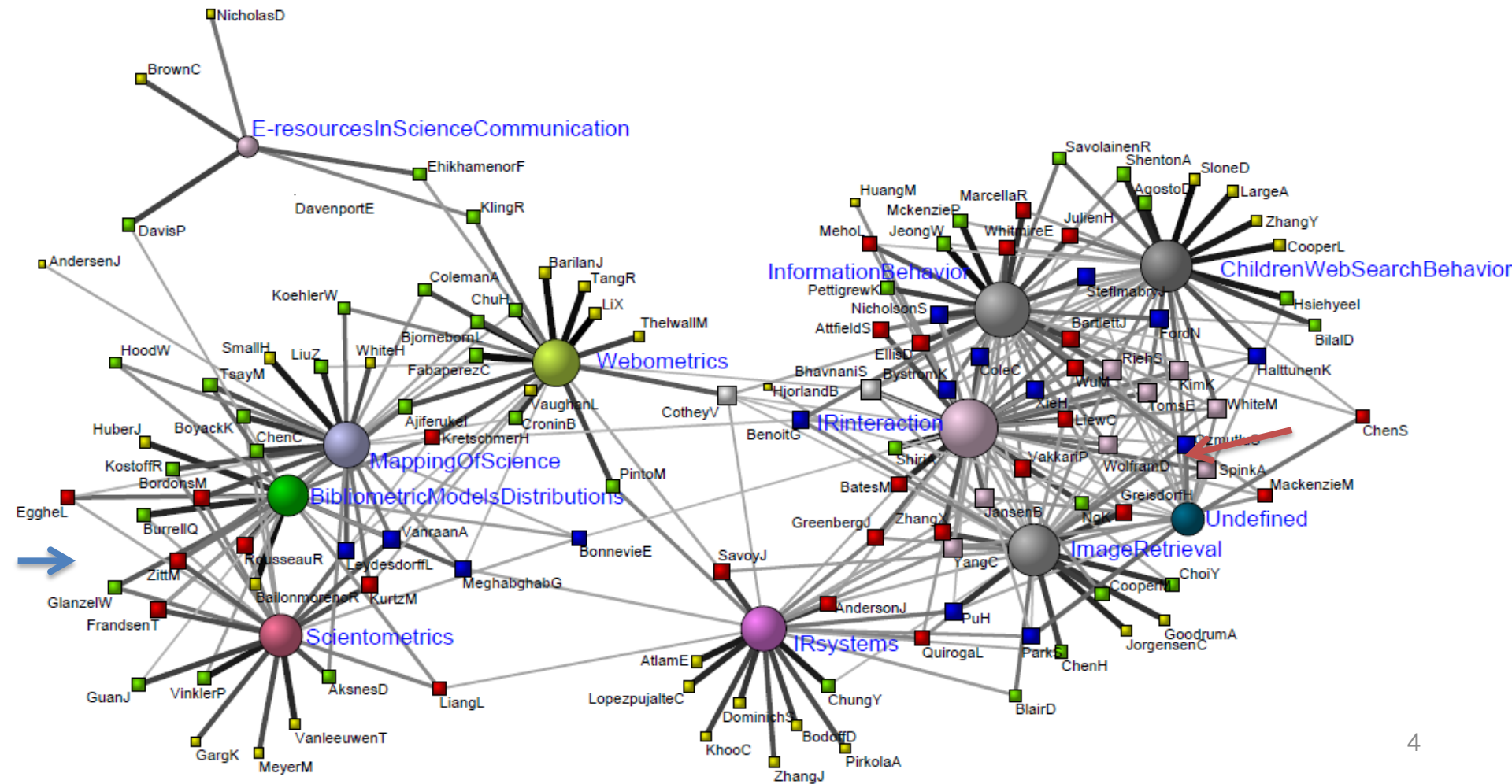


Philipp Mayr

Bibliometrics and IR: Two subdisciplines in Information Science then...



Bibliometrics and IR: Two subdisciplines in Information Science now...



Why is the workshop at ISSI?

Workshop ideas

- Our interests include information retrieval, information seeking, science modeling, network analysis, information visualization, and digital libraries...
- The goal is to
 - apply insights from bibliometrics, scientometrics, and informetrics to practical problems of retrieval and browsing in Digital Libraries,
 - use IR techniques to support bibliometrics analyses (e.g. by field delineation).
- We aim to raise awareness of the missing link and to create a common ground for the incorporation of bibliometrics/science modeling and retrieval in digital libraries. "IR use case as a validation model of the adequacy of science models in representing and predicting structure and dynamics in science" (Mutschke et al. 2011)

Workshop Agenda

- Intro
- Invited papers
 - Wolfgang Glänzel (KU Leuven): Bibliometrics-aided retrieval
 - Michel Zitt (INRA France): Meso-level retrieval: field delineation and hybrid methods
 - Dietmar Wolfram (University of Wisconsin-Milwaukee): The symbiotic relationship of bibliometrics and information retrieval
 - Howard D. White (Drexel University): Co-cited Author Maps, Bibliographic Retrievals, and a Viennese Author
 - Birger Larsen (Royal School of Library and Information Science Copenhagen): The iSearch test collection – An information retrieval benchmark with citations
- Panel with all speakers

Panel

Question 1

Is Information Retrieval helping
Bibliometrics or is it the other way around?

Question 2

Who are the clients for
“Bibliometrics-meets-IR”?

Question 3

Could "Bibliometrics-meets-IR" reach
out to information visualization?

If yes, how?

Question 4

How can we stabilize the link between
Bibliometrics and Information Retrieval?

Is this event a unique event?

Summary and outlook

- Two related talks at Session D – Information Science and Retrieval on Thursday (15:30–17:30):
 - Philipp Mayr: Relevance Distributions Across Bradford Zones: Can Bradfordizing Improve Search?
 - Tamara Heck and Philipp Schaer: Performing Informetric Analysis on Information Retrieval Test Collections: Preliminary Experiments in the Physics Domain
- Special issue based on the workshop topic
- Follow-up workshop at ISSI 2015? SIGIR?