



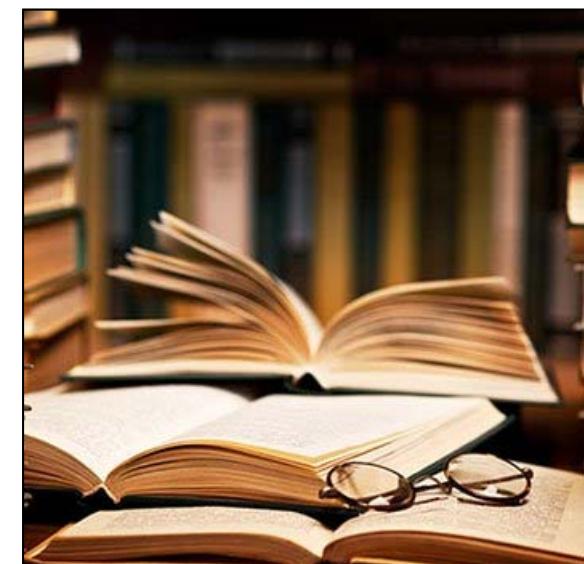
Prof. Dr. Rainer Manthey

Institute of Computer Science
University of Bonn

Scientific Communication and Scientific Writing

(MA-INF 3107)

SS 2017

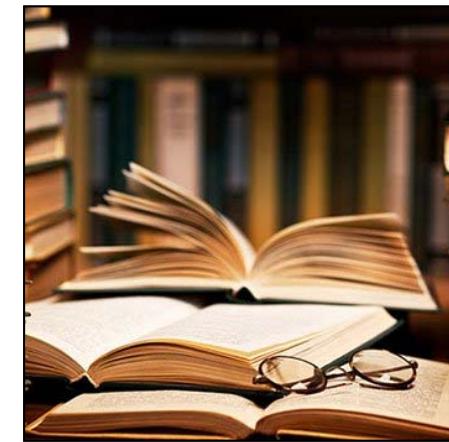


A New Lecture? By a Nearly Retired Professor?

- SCSW is a new lecture delivered here in Bonn for the 1st time this semester.
- As for now, SCSW will only be delivered twice: this year and next year – if SCSW will be offered any more after 2018 (and, if yes, by whom) is completely open.
- It is clear, however, that Prof. Manthey will retire on February 28, 2019 – i.e., there are just three additional teaching semesters left for him (after the present one).
- Nevertheless, he believes that a course like the one SCSW is supposed to become is worthwhile (even necessary). It will be worth the effort for him to design a lecture like this – and for each of you to attend it. Whether this belief is justified remains to be seen – give it a try!
- The „economic“ benefit of passing the SCSW exam will be 4 credits – and a grade.
- The decision to attend the exam will have to be made by June 21 (end of registration period). And: You can still step back from registration till one week before the exam!
- BA graduates from Bonn will learn more than they already did in TdWA!

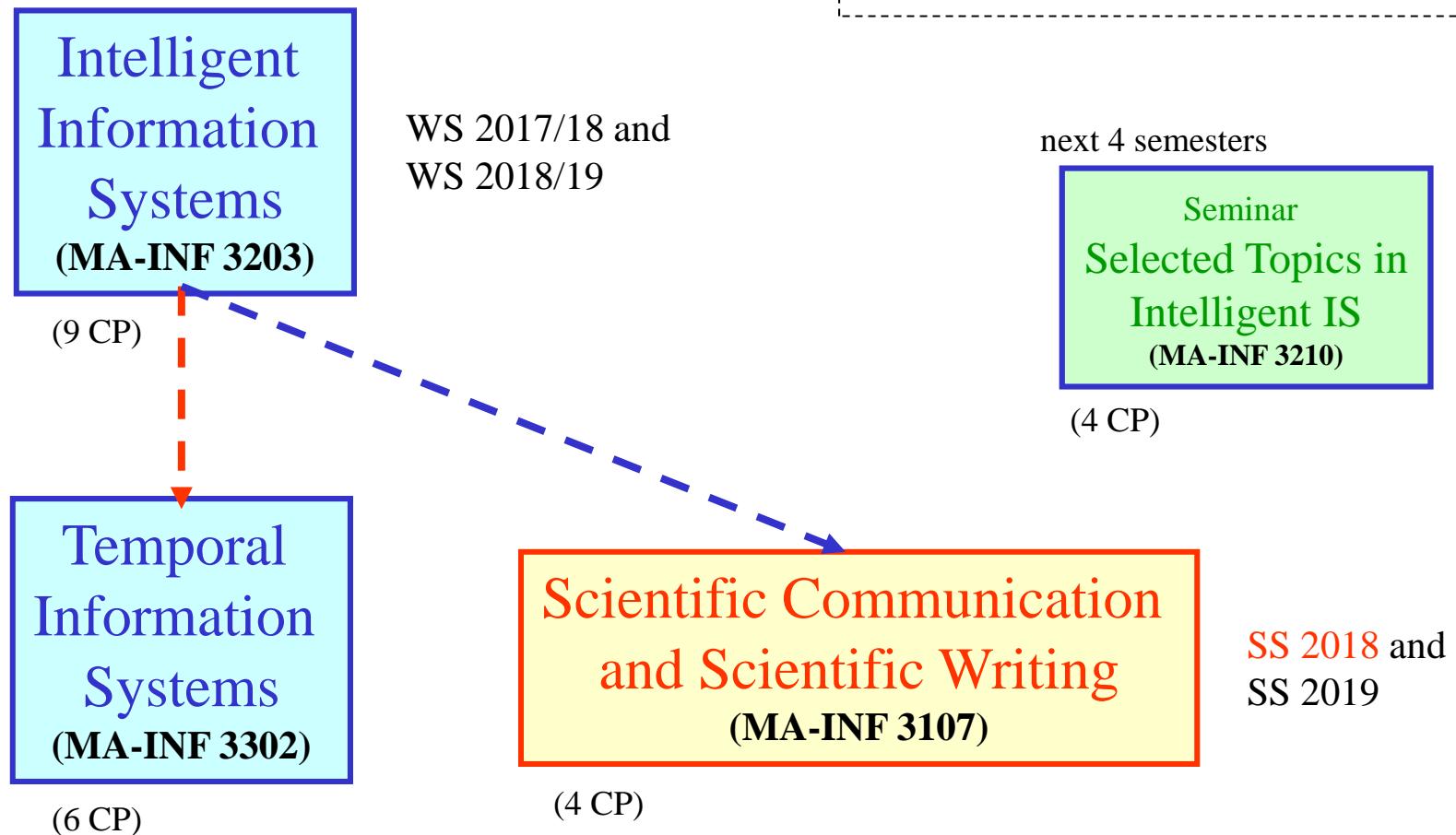
Scientific Communication & Scientific Writing

SS 2017

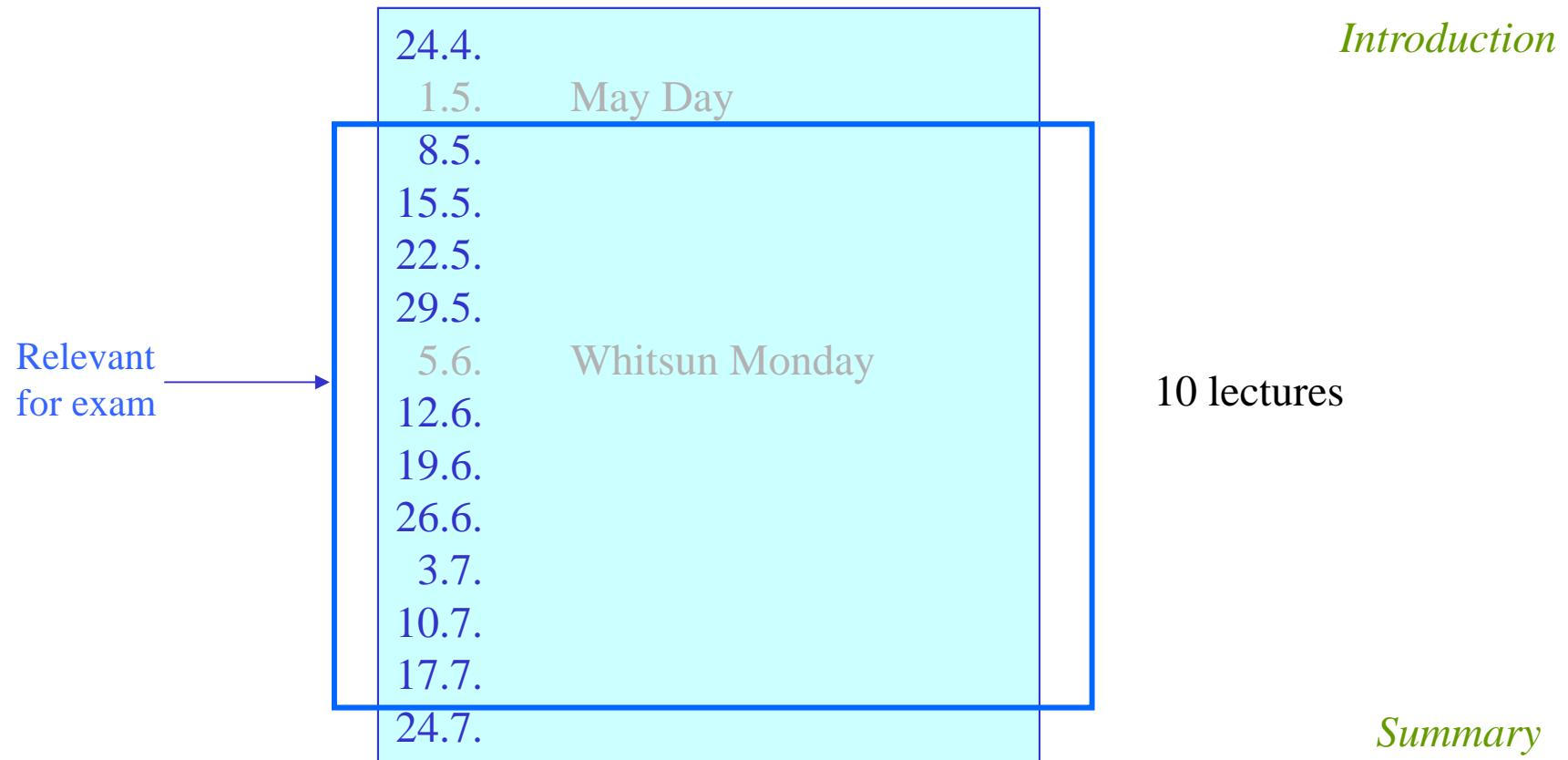


Organisation

Modules Offered by the IDB Group



Calendar of this Semester



Exam (written): Monday, **July 31, 2017** (most likely)

Repeat exam: Thursday, September, 21, 2017 (most likely)

No exercises! No admission conditions!

There will be no exercises for SCSW!

(This is due to a lack of time and resources – however, plenty of encouragement for your own activities apart from the lecture will be given.

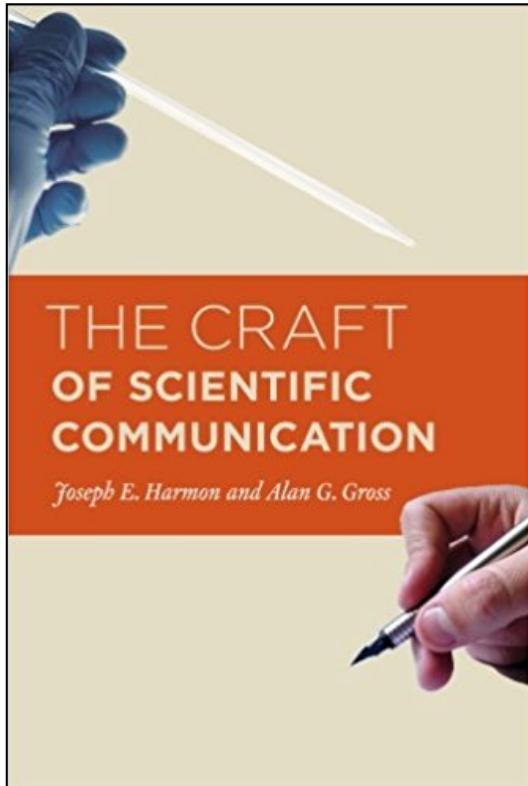
But it won't be controlled if you do anything just because you are interested and want to know more!)

Lecture Homepage

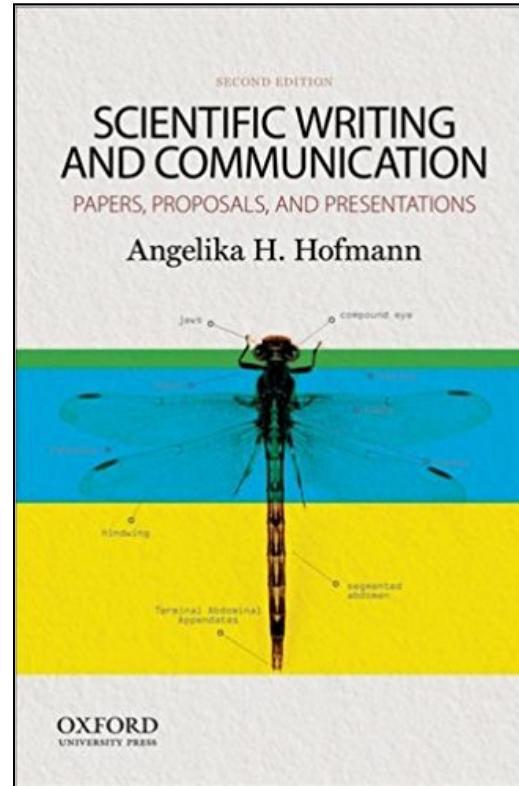
The screenshot shows a web browser window with the following details:

- Title Bar:** Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe
Prof. Dr. Rainer Manthey Scientific Communication and Sc
- Address Bar:** https://pages.iai.uni-bonn.de/manthey_rainer/SCSW2017/
- Left Sidebar (Menu):** Home (to come soon), About (to come soon), Lecture (highlighted with a blue arrow pointing from the 'Slides for download' callout). A blue box labeled "Slides for download" is positioned over this sidebar.
- Main Content Area:**
 - Section Headers:** Master Programme in Computer Science, Lecture "Scientific Communication and Scientific Writing" (SS 2017), - MA-INF 3107 -, Prof. Dr. Rainer Manthey
 - News:** All communication about SCSW here!
 - List of Information Points:**
 - The 1st lecture on "Scientific Communication and Scientific Writing" (short: SCSW) will take place on April 24, 2017. SCSW will begin at 2 p.m. c.t. (according to traditional academic speaking), i.e., at 14:15 every Monday afternoon. The lectures will last 90 minutes, thus ending at 15:45. SCSW will be read in lecture room A 207 in the Römerstraße building. **NEW**
 - On May 1st and on June 5rd no lecture will be delivered due to public holidays on the respective dates. Thus, 12 lectures will be held this semester (of which 10 will be presenting contents relevant for the final exam). **NEW**
 - MA-INF 3107 is suitable for master students of all semesters. SCSW will come without exercises! **NEW**
 - The 1st (written) SCSW exam will most likely take place on Monday, July 31st, 2017 (which means straight at the begin of the exam period, directly after the end of the lecture period lasting till July 28). Exam dates are currently under negotiation, thus no final commitment to this date is still possible. September 21 is currently planned for the repeat exam. Exams are expected to last two hours, they will be graded, and SCSW is expected to have a workload "worth" 4 credits. This still requires agreement by the Head of Exams (to be decided very soon). **NEW**
 - Have a look at the follow-up pages by using links at the left-hand side. Page "About" sketches what this (new) lecture will be all about, this page will be made available soon after the first (introductory) lecture date on May 24. On the other page "Lecture" you will find an overview of the schedule of the lecture (and the exercises), including – during the course of the semester – the topics of each lecture/exercise and the slides for downloading. **NEW**

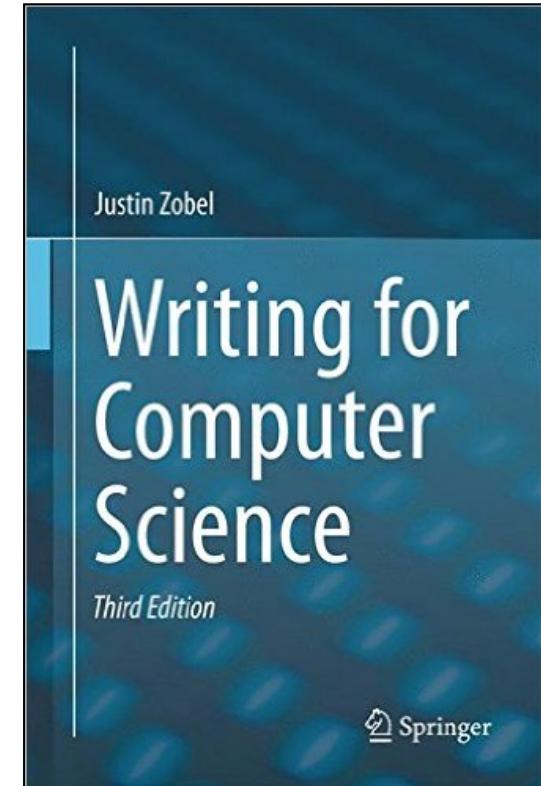
Sources for Additional Reading



Joseph E. Harmon, Alan G. Gross
„The Craft of Scientific Communication“
University of Chicago Press (2010)
240 pp., ~ 30 €



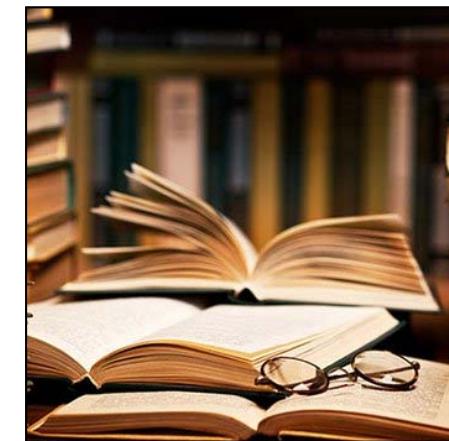
Angelika H. Hofmann
„Scientific Writing and Communication“
Oxford University Press (2nd ed., 2014)
752 pp., ~ 33 €



Justin Zobel
„Writing for Computer Science“
Springer (3rd ed., 2015)
300 pp., ~ 43 €

Scientific Communication & Scientific Writing

SS 2017



Motivation

What is Science?

If speaking about specific properties of communication and classifying them as „scientific“, we ought to ask what „science“ itself means (and where it's limits are).

Here are a few quotes on this taken from the current state of (English) [Wikipedia](#) (as of April 24, 2017) under the search term „Science“. Whether these are scientific statements themselves is open!

Science ... is a systematic enterprise that builds and organizes knowledge in the form of testable explanations and predictions about the universe.

Contemporary science is typically subdivided into the **natural** sciences, which study the material universe; the **social** sciences, which study people and societies; and the **formal** sciences, which study logic and mathematics.

The formal sciences are often excluded as they do not depend on empirical observations. Disciplines which use science, like engineering and medicine, may also be considered to be **applied** sciences.

Science in its original sense was a word for a type of knowledge rather than a specialized word for the pursuit of such knowledge.

In particular, it was the type of knowledge which people can **communicate to each other** and share.

„March for Science“, Bonn, April 22, 2017

Science is „under attack“ from various directions at present!



(© Barbara Frommann, GA Bonn)

All of You (Us) are Scientists – You Ought to Know!



Did you ever ask yourself:
Am I a scientist?

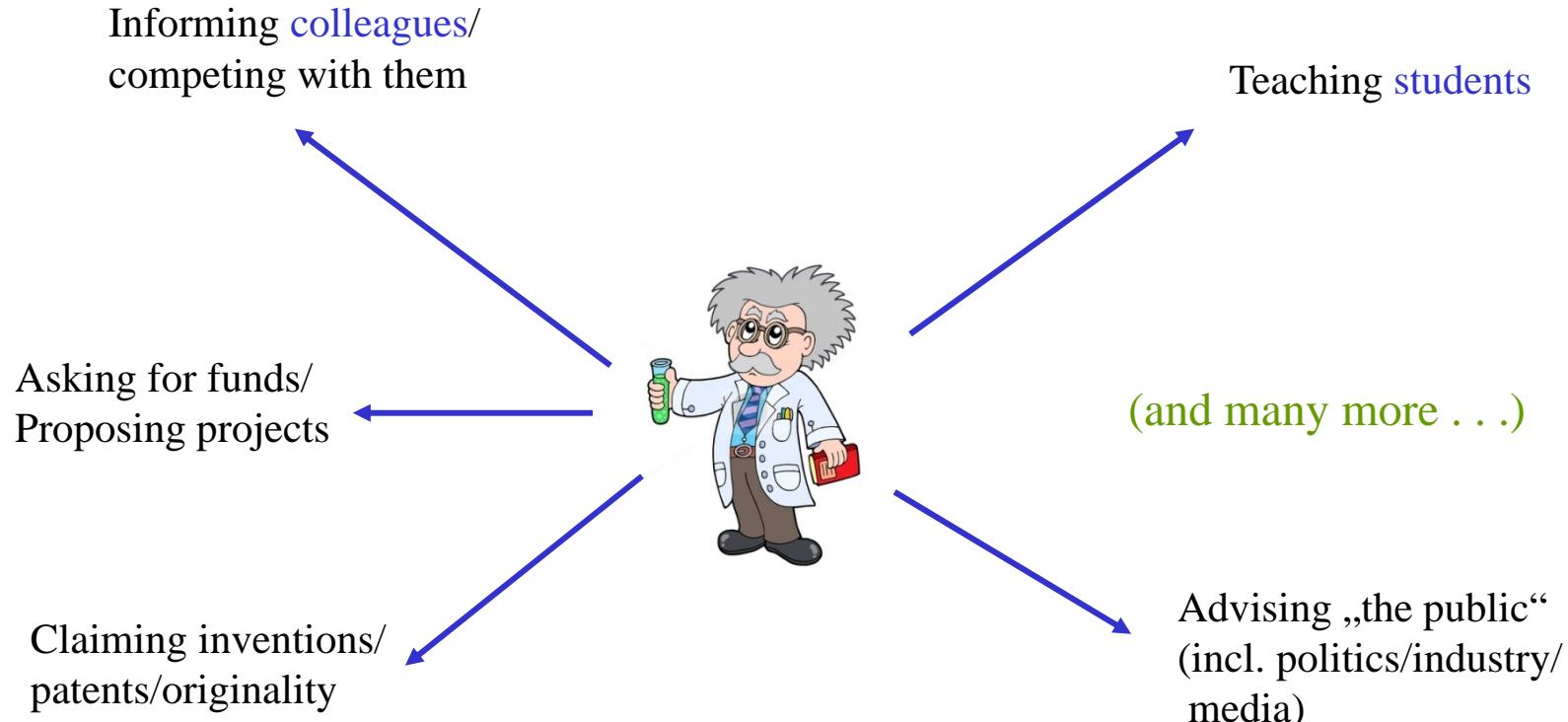
Soon each of you will have gained a degree called

Master of **Science** in Computer **Science**.

That answers the question posed above!

Yes, I am.

Scientific Communication in the Wider Sense



There are many different kinds of **audience** to which scientists are motivated to submit their results and opinions: Each of them has to be addressed in an appropriate **style!**

Topic of this Lecture in the More Narrow Sense

This lecture will mainly be concerned with the topic SCSW with this focus/restriction:

Communication of original scientific **results** of individuals
(or of entire research teams) to other **experts** within their
scientific community in **written** form.

- Main form of scientific **documents** for this kind of communication:
Research articles
- Main types of **collections** of articles published jointly:
 - **Proceedings** of conferences (and other scientific events)
 - Volumes of **journals** (and other scientific periodicals)
- Other document types relevant in this context:
 - Textbooks and other **monographs**
 - Academic **theses**
 - Research **reports**

Reading Books vs. Online Access



Physical Libraries vs. Digital Libraries



At least in Computer Science:

Physical Libraries are quickly disappearing entirely!

Thus „touching“ a scientific book, an article, a thesis is possible far less frequently than 10 years ago

Today: Immense collections of scientific documents are available online in **digital libraries** offered by all kinds of organisations (including publishing houses). Some of these sources are free of charge, but still access isn't free for most.

Open Access is a hot topic in science worldwide!

An Example of a Digital Library: The ACM DL

The screenshot shows a web browser window with the ACM Digital Library homepage. The URL in the address bar is dl.acm.org/citation.cfm?id=3080497&picked=prox&CFID=754576743&CFTOKEN=11739090. The page displays the **Journal of the ACM (JACM)**, Volume 64 Issue 2, April 2017. The interface includes a search bar, sign-in options, and various tools and resources like TOC Service, Email, RSS, Save to Binder, and Export Formats (BibTeX, EndNote, ACM Ref). A sidebar on the right provides links for Contact Us, single page view, and Feedback. The main content area shows the journal's table of contents, including sections like Design & Analysis of Algorithms and Cryptography, with details on articles such as "Statistical Algorithms and a Lower Bound for Detecting Planted Cliques" by Vitaly Feldman, Elena Grigorescu, Lev Reyzin, Santosh S. Vempala, Ying Xiao, and "Arithmetic Cryptography" by Benny Applebaum, Jonathan Avron, Chris Brzuska.

How to Find and Identify Scientific Sources?

- In „the old times“, libraries were „indexed“ with **catalogues** pointing out what was available just in the respective library about a certain topic, with a certain title, from a certain author.
- It was difficult, however, to get an overview of **every publication** addressing a particular topic, or having information about all the publications produced by a particular author, or to know about everything presented at a certain conference.
- In the age of search engines, nearly all questions can be answered using web-based services. That seems to be like „heaven“ – but it may turn out to be like „hell“, too!
- There is an increasing number of **dedicated services** for searching (and finding) scientific literature by now. **Just Googeling for science is not a good idea (in most cases)!**
- Knowing **where** to search (and **how** to) and knowing how to **use** the results of such scientific bibliographical tools requires a lot of **experience**.

Google Doesn't Know Much About Your Professor

The screenshot shows a Google search results page with the query "rainer manthey". The results include:

- Prof. Dr. Rainer Manthey — Institute of Computer Science III**
https://www.iai.uni-bonn.de/~manthey/ ▾ Translate this page
Sep 22, 2016 - Prof. Dr. Rainer Manthey. The Web - Infrastructure of IAI has changed. Please exchange the old page : http://www.iai.uni-bonn.de/~manthey
- Prof. Dr. Rainer Manthey - Universität Bonn**
https://pages.iai.uni-bonn.de/manthey_rainer/ ▾ Translate this page
News. The module IIS will have a new format from October 2016 onwards. The lecture will be extended (4 hours lecture per week rather than 2 hours - plus 2 ...)
- Prof. Dr. Rainer Manthey — IDB**
https://www.idb.uni-bonn.de/team/prof-1 ▾
Mar 11, 2010 - Consultation hours by appointment. Profile: Vita: Born in Wilhelmshaven on July 20, 1953, I studied Computer Science and Mathematics in Kiel ...
- Prof. Dr. Rainer Manthey - Professor - Universität Bonn | XING**
https://www.xing.com/profile/Rainer_Manthey4 ▾ Translate this page
Berufserfahrung, Kontaktdaten, Portfolio und weitere Infos: Erfahren Sie mehr – oder kontaktieren Sie Prof. Dr. Rainer Manthey direkt bei XING.
- Rainer Manthey (University of Bonn, Bonn) on ResearchGate ...**
https://www.researchgate.net/profile/Rainer_Manthey
Rainer Manthey of University of Bonn, Bonn with expertise in Databases is on ResearchGate. Read 62 publications, and contact Rainer Manthey on ...
- Das neue Buch von Rainer Manthey: MANTA B, Fakten ... - Alt-Opel**
www.alt-opel.org/index.php?sn=typengruppe19 ▾ Translate this page
Rainer Manthey. Pinneberger Str. 172. 25462 Rellingen. manthey_manta_a_265 . Telefon: 04101-371241 19.00-21.00. Fax: 04101-371241. manthey@alt-opel.

Images for rainer manthey

→ More images for rainer manthey Report images

universitätbonn
See photos

University of Bonn

Website Directions

Public university in Bonn, Germany

The University of Bonn is a public research university located in Bonn, Germany. Founded in its present form in 1818, as the linear successor of earlier academic institutions, the University of Bonn is ... Wikipedia

Address: Regina-Pacis-Weg 3, 53113 Bonn
Total enrollment: 35,619 (2016)
Phone: 0228 730

Suggest an edit

Events

Sat, 13 May 19:00	Jazzfest Bonn 2017
Sun, 14 May 19:00	Jazzfest Bonn 2017
Sun, 9 Jul 11:00	Klassik um 11 - Beethoven O...

Profiles

LinkedIn Facebook Twitter

Using Google Scholar Instead: A Dedicated Science Search Engine

The screenshot shows a web browser window with multiple tabs open. The active tab is for Google Scholar, displaying a profile for Rainer Manthey. The profile includes a photo, basic information (Professor of Computer Science at University of Bonn), and a link to his university page. Below the profile is a list of publications, each with a title, authors, citation count, and year. To the right of the publications is a sidebar with citation statistics and a bar chart showing the distribution of citations over time.

Rainer Manthey
Professor of Computer Science, University of Bonn, Germany
Databases, Information Systems
Bestätigte E-Mail-Adresse bei cs.uni-bonn.de - Startseite

Folgen

Titel	Zitiert von	Jahr
SATCHMO: a theorem prover implemented in Prolog R. Manthey, F. Bry 9th International Conference on Automated Deduction, 415-434	462	1988
A uniform approach to constraint satisfaction and constraint satisfiability in deductive databases F. Bry, H. Decker, R. Manthey Advances in Database Technology—EDBT'88, 488-505	213	1988
Checking Consistency of Database Constraints F. Bry, R. Manthey Morgan Kaufman	96	1986
Integrity verification in knowledge bases F. Bry, R. Manthey, B. Martens Logic Programming, 114-139	69	1992
Chimera: A model and language for active DOOD systems S. Ceri, R. Manthey East/West Database Workshop, 3-16	48	1995
Consolidated specification of Chimera S. Ceri, R. Manthey IDEA Esprit Project, Politecnico di Milano, Milano-Italy, Tech. Rep. IDEA ...	23	1993
Proving finite satisfiability of deductive databases F. Bry, R. Manthey CSL'87, 44-55	23	1988
Consolidated specification of Chimera (CM and CL) S. Ceri, R. Manthey	22	1993
Reflections on Some Fundamental Issues of Rule-based Incremental Update Propagation.	21	1994

Eigenes Profil erstellen

Zitationsindexe	Alle	Seit 2012
Zitate	1258	128
h-index	14	6
i10-index	20	3

Google Scholar

2009 2010 2011 2012 2013 2014 2015 2016 2017

Trying to Use Google Scholar as a Digital Catalogue

File Edit View History Bookmarks Tools Help

- Raumbelegun... x W Bibliometrics - ... x Journal of the A... x Data & Knowle... x physical library ... x Rainer Manthey... x Rainer Manthey... x Rainer Manthey... x

<https://scholar.google.de/scholar?hl=de&q=Rainer+Manthey&btnG=&lrl=1>

Web Bilder Mehr... Anmelden

Google Rainer Manthey Search

Scholar Ungefähr 1.470 Ergebnisse (0,08 Sek.) Meine Zitate

Artikel Tip: Suchen Sie nur nach Ergebnissen auf Deutsch. Sie können Ihre Sprache in den Scholar-Einstellungen festlegen.

Meine Bibliothek Nutzerprofile für Rainer Manthey

Rainer Manthey Professor of Computer Science, University of Bonn, Germany
Bestätigte E-Mail-Adresse bei cs.uni-bonn.de
Zitiert von: 1258

Beliebige Zeit Seit 2017 Seit 2016 Seit 2013 Zeitraum wählen... Nach Relevanz sortieren Nach Datum sortieren Beliebige Sprache Seiten auf Deutsch Patente einschließen Zitate einschließen Alert erstellen

SATCHMO: a theorem prover implemented in Prolog
[R Manthey, F Bry](#) - 9th International Conference on Automated Deduction, 1988 - Springer
Satchmo is a theorem prover consisting of just a few short and simple Prolog programs. Prolog may be used for representing problem clauses as well. SATCHMO is based on a model-generation paradigm. It is refutation-complete if used in a level-saturation manner.
Zitiert von: 462 Ähnliche Artikel Alle 12 Versionen Web of Science: 85 Zitieren Speichern

[PDF] uni-muenchen.de Fulltext@ULB Bonn

A uniform approach to constraint satisfaction and constraint satisfiability in deductive databases
[F Bry, H Decker, R Manthey](#) - Advances in Database Technology—EDBT ..., 1988 - Springer
Integrity maintenance methods have been defined for preventing updates from violating integrity constraints. Depending on the update, the full check for constraint satisfaction is reduced to checking certain instances of some relevant constraints only. In the first part of
Zitiert von: 213 Ähnliche Artikel Alle 14 Versionen Web of Science: 8 Zitieren Speichern

[PDF] uni-muenchen.de Fulltext@ULB Bonn

Checking Consistency of Database Constraints
[F Bry, R Manthey](#) - 1986 - epub.ub.uni-muenchen.de
Abstract This paper addresses the problem of consistency of a set of integrity constraints itself, independent from any state. It is pointed out that database constraints have not only to be consistent, but in addition to be finitely satisfiable. This stronger property reflects that the
Zitiert von: 96 Ähnliche Artikel Alle 13 Versionen Zitieren Speichern

[PDF] uni-muenchen.de

Integrity verification in knowledge bases
[F Bry, R Manthey](#), B Martens - Logic Programming, 1992 - Springer
In order to faithfully describe real-life applications, knowledge bases have to manage general integrity constraints. In this article, we analyse methods for an efficient verification of integrity constraints in updated knowledge bases. These methods rely on the satisfaction of
Zitiert von: 69 Ähnliche Artikel Alle 10 Versionen Web of Science: 3 Zitieren Speichern

[PDF] uni-muenchen.de Fulltext@ULB Bonn

Chimera: A model and language for active DOOD systems
[S Ceri, R Manthey](#) - East/West Database Workshop, 1995 - Springer
Abstract Chimera is a novel database model and language which has been designed as a joint conceptual interface of the IDEA project, a major European cooperation initiative aiming at the integration of object-oriented, active and deductive database technology. In this paper,

[PDF] semanticscholar.org

Using a Digital Catalogue to „Trace“ a Scientists Output

The screenshot shows a web browser window with multiple tabs open. The active tab is for the dblp website, specifically the profile page of Rainer Manthey. The page displays a list of his publications from 2010 to 2009. Each publication entry includes a small thumbnail, the citation count [c41], and a link to the full record. The publications are categorized by year: 2015, 2014, 2010, 2009. On the right side of the page, there are various filtering options: 'Refine by search term' (empty), 'Refine by type' (checkboxes for Books and Theses, Journal Articles, Conference and Workshop Papers, and Editorship, all checked), 'Refine by coauthor' (list of names like Andreas Behrend, Gereon Schüller, etc.), and 'Refine by venue' (list of venues like ADBIS, SOFSEM, WEBIST, GIS-IWGS). The top navigation bar of the browser shows other tabs related to the university's intranet and external resources.

Rainer Manthey

computer science bibliography

Person information

affiliation: University of Bonn, Germany

2010 – today

2015

[c41] Rainer Manthey:
Back to the Future - Should SQL Surrender to SPARQL? SOFSEM 2015: 78-101

2014

[c40] Sahar Vahdati, Andreas Behrend, Gereon Schüller, Rainer Manthey:
A Flexible System for a Comprehensive Analysis of Bibliographical Data. WEBIST (1) 2014: 143-151

2010

[c39] Gereon Schüller, Andreas Behrend, Rainer Manthey:
AIMS: an SQL-based system for airspace monitoring. GIS-IWGS 2010: 31-38

2009

[c38] Andreas Behrend, Christian Dorau, Rainer Manthey:
SQL Triggers Reacting on Time Events: An Extension Proposal. ADBIS 2009: 179-193

[c37] Andreas Behrend, Rainer Manthey, Gereon Schüller, Monika Wieneke:
Detecting Moving Objects in Noisy Radar Data Using a Relational Database. ADBIS 2009: 286-300

Refine list

showing all 46 records

refine by search term

refine by type

Books and Theses (only)

Journal Articles (only)

Conference and Workshop Papers (only)

Editorship (only)

[select all](#) | [deselect all](#)

refine by coauthor

Andreas Behrend (11)
François Bry (9)
Christian Dorau (5)
Gereon Schüller (4)
Ulrike Griefahn (2)
Peter Martini (2)
Leonid A. Kalinichenko (2)
Volker Steinlage (2)
Armin B. Cremers (2)
Johann Eder (1)
[22 more options](#)

refine by venue

Who are the Best Scientists? Which are the Best Papers?

- There is a lot of competition going on in science – most of it based on publications.
- Every research article is reviewed (more or less) intensively before being accepted for publication at conferences or in journals. Acceptance rates in leading conferences are very low, that means:
 - An enormous amount of written scientific documents are rejected once (or many times) before ever being published anywhere.
 - Another high amount of documents will never get published at all!
- Nowadays, „success“ of publications is measured with increasing sophistication ([Bibliometrics](#), [Scientometrics](#)):
 - Journals/conferences are ranked according to bibliometric criteria.
 - Academic publishers are ranked based on the rank of what they publish, too.
 - Influence researchers have on others is measured with increasing precision.
(citation indexes, impact factors)
- Investigating scientific publications scientifically is a new subarea of research (and a topic of entire research projects, even communities) already!

A Scientific Article on Science Evaluation

The screenshot shows a Microsoft Internet Explorer window with multiple tabs open at the top. The active tab displays the title and abstract of a research paper. The title is "A Web Analytics Approach for Appraising Electronic Resources in Academic Libraries". Below the title, three authors are listed with their names, degrees from the College of Information Sciences and Technology at Pennsylvania State University, and their email addresses. The abstract begins with a paragraph about university libraries spending millions on electronic resources and the challenges of evaluating them. To the right of the abstract, the word "Introduction" is followed by a brief summary of the research's purpose and methodology.

A Web Analytics Approach for Appraising Electronic Resources in Academic Libraries

Daniel M. Coughlin
College of Information Sciences and Technology, The Pennsylvania State University, University Park, PA 16802. E-mail: dmc186@psu.edu

Mark C. Campbell
College of Information Sciences and Technology, The Pennsylvania State University, University Park, PA 16802. E-mail: mcc171@psu.edu

Bernard J. Jansen
College of Information Sciences and Technology, The Pennsylvania State University, University Park, PA 16802. E-mail: jjansen@ist.psu.edu

University libraries provide access to thousands of journals and spend millions of dollars annually on electronic resources. With several commercial entities providing these electronic resources, the result can be silo systems and processes to evaluate cost and usage of these resources, making it difficult to provide meaningful analytics. In this research, we examine a subset of journals from a large research library using a web analytics approach with the goal of developing a framework for the analysis of library subscriptions. This foundational approach is implemented by comparing the impact to the cost, titles, and usage for the subset of journals.

Introduction

A large research university can spend tens of millions of dollars or more annually on electronic resources (Furlough, 2012). It has become common for research libraries to spend large portions of their collection budgets on these resources; ongoing annual subscriptions account for nearly 70% of the collection budgets in academic libraries (Kyrilidou, M., Morris, S., & Roebuck, 2013). When libraries stored only physical copies of journals, there were limitations based on physical space within the library for how many journals a

From: JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY, 67(3):518–534, 2016

Recent Example of a Conference in the Database Field: ADBIS 2017



Any „Hot“ or at Least Relevant Topics? Why to go?

The screenshot shows a Microsoft Internet Explorer window displaying the ADBIS 2017 conference website. The title bar reads "ADBIS 2017 | Topics". The main content area features a large logo with "ADBIS" in yellow and "2017" in blue over a map of Cyprus, with the subtitle "Advances in Databases and Information Systems". To the right, text reads "21st European Conference on Advances in Databases and Information Systems", "Hilton Cyprus Hotel, Nicosia, Cyprus", and "24 - 27 September". A blue box contains the question "Any topic outdated?". Below the header, there's a navigation menu with links like "HOME", "REGISTRATION", "WORKSHOPS", "FOR AUTHORS", "ABOUT", and "CONTACT US". The "TOPICS" link is highlighted with a red circle. The "TOPICS" section lists numerous research areas:

Any „experts“ for these topics to be present?

Any topic outdated?

What is missing?

- Data intensive sciences and databases
- Theoretical foundations of databases
- Management of large scale data systems
- Data models and query languages
- Database monitoring and (self-)tuning
- Data curation, annotation, and provenance
- Data warehousing, OLAP, and ETL tools
- Indexing, query processing and optimization
- Data mining and knowledge discovery
- Big data storage, replication, and consistency
- Modeling, mining and querying user generated content
- Data quality and data cleansing
- Web, XML and semi-structured databases
- Sensor databases and mobile data management
- Text databases and information retrieval
- Probabilistic databases, uncertainty and approximate querying
- Temporal and spatial databases
- Graph databases
- Databases on emerging hardware architectures
- Distributed data platforms, including Cloud data systems, key-value stores, and Big Data systems
- Information extraction and integration
- Streaming data analysis
- Scalable data analysis and analytics
- Data and information visualization; and user interfaces
- Information quality and usability
- Information system architectures and networking
- Business process modeling and optimization
- Data and information flow engineering and management
- Context-aware and adaptive information systems
- Data and information intensive services
- Requirements engineering for databases and information systems
- Artificial intelligence in databases and information systems
- Data, information, and information systems security
- Innovative platforms for data and information handling
- Innovative approaches for database and information systems engineering
- Novel database and information systems applications

Is ADBIS 2017 Supposed to be a „Good“ Conference?

The ADBIS 2017 [proceedings](#) will be published in the series Lecture Notes in Computer Science (LNCS).

LNCS/LNAI/LNBI is published, in parallel to the [printed books](#), in full-text [electronic version](#) in Springer digital library SpringerLink; e.g., for the ADBIS 2016 predecessor proceedings, LNCS 9809, please see <http://www.springer.com/gp/book/9783319440385>.

The [best paper](#) with students as first authors will receive an award.

[Best papers of the main conference](#) will be invited for submission in [special issues of the ISI-indexed journals](#) *Information Systems* (<http://www.journals.elsevier.com/information-systems/>) and *Informatica* (<http://www.informatica.si/>).

Ranking ADBIS By a Ranking Service Called LIPN

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Computer Science Conference Rank". The page content is as follows:

Source: CORE

Rank A+ Rank A Rank B Rank C

Rank B CS conference

Antonym	Name	Rank
Coding	IMA International Conference on Cryptography and	B
Conference	Australian Digital Forensics	B
Conference	Australian Information Security Management	B
3DUI	IEEE Symposium on 3D User Interfaces	B
AAAAECC	International Symposium on Applied Algebra, Algebraic Algorithms and Error Correcting Codes	B
ACAL	Australian Conference on Artificial Life	B
ACCV	Asian Conference on Computer Vision	B
ACE	Australasian Conference on Computer Science Education	B
ACISP	Australasian Conference on Information Security and Privacy	B
ACIVS	Advanced Concepts for Intelligent Vision Systems	B
ACKMIDS	Australian Conference for Knowledge Management and Intelligent Decision Support	B
CPR	ACM SIGMIS CPR Conference ACMSIGMIS	B
ACNS	International Conference on Applic.	B
ACRA	Australasian Conference on Robot...	B
ACSAC	Australasian Computer Systems Architecture Conference (now Asia Pacific Computer Systems Architecture Conference)	B
ACSC	Australasian Computer Science Conference	B
ACSD	Application of Concurrency to System Design	B
ADBIS	Symposium on Advances in DB and Information Systems	B
ADC	Australasian Database Conference	B
AdCom	International Conference on Advanced Computing and Communications	B
ADMA	International Conference on Advanced Data Mining and Applications	B

A callout box with a blue border contains the text: "Is this any reliable? What does „B“ mean? Who decided about this? On which basis?"

Ranking Workshop Papers at ADBIS

The screenshot shows a web browser window with the title "ADBIS 2017 | Workshops". The URL in the address bar is "cyrusconferences.org/adbis2017/workshops.html". The page content is as follows:

BEST WORKSHOP PAPERS

The best papers will be invited to be published in a special section of the International Journal of Applied Mathematics and Computer Science (AMCS) (De Gruyter Publisher)

AMCS is on the Thomson Reuters master journal list

AMCS Impact Factor for 2015: **1.037** and **5-Year Impact Factor: 1.151**

Notice that AMCS is an open-access journal with a publication fee of 30EUR/page for papers of 8-12 pages.

The publication is scheduled for the first half of 2018. The selected workshop papers will have to be extended to a full size of 10-12 pages ([AMCS style](#)) and will have to include original research contributions. The final acceptance for the Journal will be based on a standard reviewing process.

The best papers will be invited to be published in a regular issue of journal **Foundations of Computing and Decision Sciences** (De Gruyter Publisher)

FCDS is on the Thomson Reuters Emerging Sources Citation Index.

The publication is scheduled for the first half of 2018. The selected workshop papers will have to be extended and will have to include original research contributions. The final acceptance for the Journal will be based on a standard reviewing process.

ORGANIZER

What About the Quality of Those Who Judge About Papers at ADBIS?

ADBIS 2017 | Committees

George A. Papadopoulos, University of Cyprus, Cyprus
Program Chairs

Marite Kirikova, Riga Technical University, Latvia
Kjetil Nørvåg, Norwegian University of Science and Technology, Norway
Workshops Chairs

Johann Gamper, Free University of Bozen-Bolzano, Italy
Robert Wrembel, Poznan University of Technology, Poland
Proceedings Chair

Christos Mettouris, University of Cyprus, Cyprus
Doctoral Consortium Chairs

Jerome Darmont, Université Lyon 2, France
Stefano Rizzi, University of Bologna, Italy
Program Committee

Bader ALBDAIWI, Kuwait University, Kuwait
Bernd AMANN, LIP6-UPMC, France
Grigoris ANTONIOU, University of Huddersfield, UK
Costin BADICA, University of Craiova, Romania
Ladjel BELLATRECHE, LIAS/ENSMA, France
Klaus BERBERICH, Max Planck Institute for Informatics, Germany
Maria BIELIKOVA, Slovak University of Technology in Bratislava, Slovakia
Doulkifli BOUKRAA, Université de Jijel, Algeria
Drazen BRDJANIN, University of Banja Luka, Bosnia and Herzegovina
Stephane BRESSAN, National University of Singapore, Singapore
Bostjan BRUMEN, University of Maribor, Slovenia
Zoran BUDIMAC, University of Novi Sad, Serbia
Albertas CAPLINSKAS, Vilnius University, Lithuania
Barbara CATANIA, DIBRIS-University of Genoa, Italy

Heads of Program Committee:
Selecting PC members –
Making final decision
about accepted papers
Who elected them? Good choice?

90 (!) members of this committee – altogether responsible for evaluating quality of submissions:
All qualified to do so?
Are all of them „good“?
Performance checked?

Outline of the Lecture: As Planned Initially

- 0 Organisation and Motivation
- 1 How do Scientists Communicate Among Each Other?
- 2 The Scientific Publication Process
- 3 Libraries and Catalogues: Analogue and Digital
- 4 Bibliographical Metadata and Literature Search
- 5 „The Good, the Bad, and the Ugly“:
 On Measuring Quality in Science
- 6 Principles of Scientific Writing

Exam Topics?

Probably the easier part:

Mostly „hard facts“ –
fewer opinions

Definitely „exam stuff“!

Probably the harder part:

Mostly experience and
Opinions – less facts!

In the exam? We will see!

-
- 0 Organisation and Motivation
 - 1 How do Scientists Communicate Among Each Other?
 - 2 The Scientific Publication Process
 - 3 Libraries and Catalogues: Analogue and Digital
 - 4 Bibliographical Metadata and Literature Search
 - 5 „The Good, the Bad, and the Ugly“:
On Measuring Quality in Science
 - 6 Principles of Scientific Writing

Scientific Reading?

If scientific **writing** already is an art, . . .



. . . , what about scientific **reading**?

Up Till Now: Mostly Questions!



Having many **open questions** asked is a good thing for a new lecture (initially).
Answers will start coming on Monday, **May 8**, i.e., in two weeks from now!

- This lecture has not been „taken from a can“, it is not based on any book or any pre-fabricated script, or on any set of (foreign) slides.
- It will be „freshly cooked“ instead – cooking may succeed, or fail.
Results may meet your taste and expectations, or not.
- How to properly teach this topic is an open problem/question of academic didactics.
- By now, there is an enormous amount of „material“ around devoted to these questions.
- Which of these sources will turn out to be useful (or even: valuable) remains to be tried and tested!
- Next year, SCSW will already look quite different from in 2017. Your feedback can make it look better!



Our New „Home“ – From October Onwards (Hopefully)!



New Lecture Hall Building

New CS Institute and B-IT