

Session 3: Writing an Introduction & Using Sources

19th April 2016

Agenda

- writing an Introduction
- using sources
 - gathering and evaluating
 - in text and end list
- 3-min presentation
- quiz results
- next

Logic Control Introduction Assignment

WRITING AN INTRODUCTION

(3)

What is an introduction for?

- Some results of the mentimeter:

What is an introduction for?

 Mentimeter

Catch the attention of the reader and give an overview

stuffy stuff that stuffs the stuffing into the other stuff so that the stuff can describe stuff.

Introducing your subject

An introduction is for introducing The reader to what The text is about

To introduce the reader to the subject. Give an Early view of the task.

To introduce what an assignment is about.

a quick overview

To give the reader an idea what the text is about, may also catch the readers interest.

Helping the reader understand what the report is about and what he or she will learn from it.

It gives the reader an introduction to the report and give some sort of overview

Introducing

Present for the reader what the report is about and try to catch his interest

To catch the reader, and make him/her interested in reading more.

An introduction is for introducing the subject to the reader so that they can get an overview.

Introduce the subject and make the reader interested so he/she keeps reading.

Dank memes



To generally describe the theme and

[4]

Votes: 20

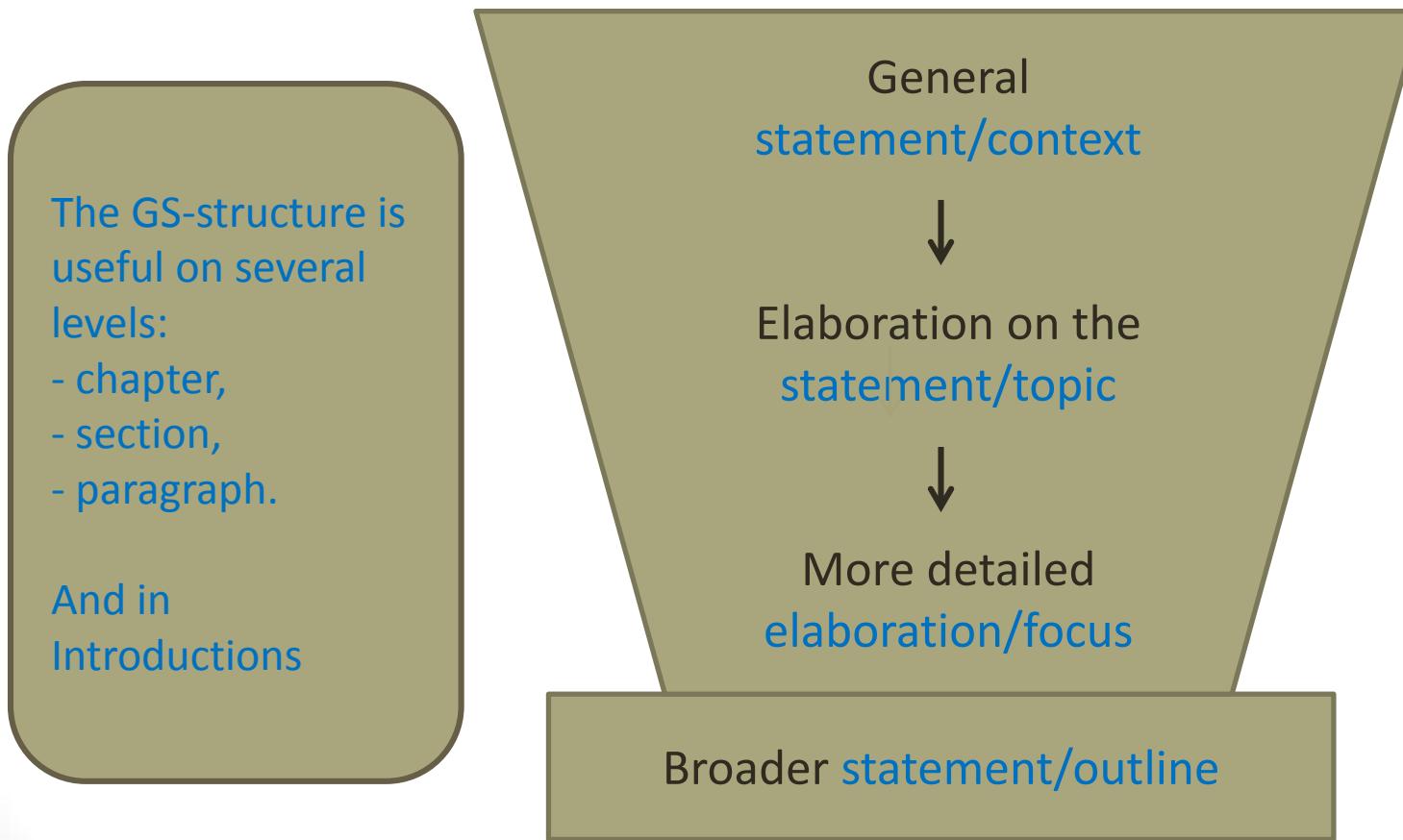
Importance of an introduction

- sets the framework of the project for the reader

In other words

- presents topic
- 'hooks' reader
- gives context
- prepares reader with general info before specifics
- thesis statement: communicates to reader what text aims to discuss/prove/maintain
- indicates motivation for the paper
- outlines text structure

THE FUNNEL STRUCTURE: FROM GENERAL TO SPECIFIC (GS)



Some typical intro phrasing:

- define focus:
 - *This paper analyses the challenges of ...*
 - *The purpose of this report is to investigate advantages and disadvantages of ... / In this paper, a comparison between...*
- explain document structure:
 - *Four main points concerning advantages and disadvantages of ... will be discussed. First, Second, ...*
 - *In order to analyse ..., this paper will be divided up by.../into...*



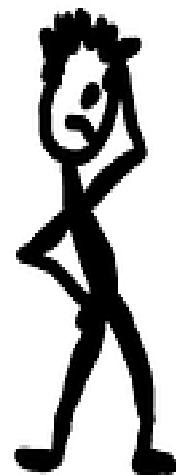
**“It’s called ‘reading’. It’s how people
install new software into their brains”**

Gathering and Evaluating USING SOURCES

Common source/reference issues

- Is it ok to have a technical text with no references in it?
- When should I use references/sources in my text? Which information needs a reference?
- Which sources should I be careful about using?
- Which reference system should I use?
- How do I reference an article I found online with no author?
- What is often incorrect in the end reference list?

How to find good information?



Just google it!

Is that the only strategy? What are some of the issues? Are there other strategies you can use?

Google Scholar....

Full text
available via
Chalmers

See how many
citations

Get ready made
citation!

The screenshot shows a Google Scholar search results page for the query "wind integration in power systems". The results are filtered by "Publicering: IEEE". The first result is a paper by JG Slootweg, SWH De Haan, et al., titled "General model for representing variable speed wind turbines in power system dynamics simulations". The second result is a paper by L Xie, PMS Carvalho, LAFM Ferreira, et al., titled "Wind integration in power systems: Operational challenges and possible solutions". The third result is a paper by JM Carrasco, LG Franquelo, et al., titled "Power-electronic systems for the grid integration of renewable energy sources: A survey". The fourth result is a paper by EA DeMeo, W Grant, et al., titled "Wind plant integration [wind power plants]". The fifth result is a paper by EA DeMeo, W Grant, et al., titled "Utility wind integration and operating impact state of the art". Each result includes a link to the full text (PDF) from researchgate.net, a "Full-Text@Chalmers" link, and a "Citera" link.

scholar.google.se/scholar?as_q=wind+integration+in+power+systems&as_epq=&as_oq=&as_eq=&as_occt=any&as_authors=&as_publication=IEEE&as_ylo=&as_yhi=&btnG=Search

Ungefär 49 800 resultat (0,16 sek.)

Artiklar

Mitt bibliotek

När som helst

Sedan 2014

Sedan 2013

Sedan 2010

Anpassat intervall ...

Sortera efter relevans

Sortera efter datum

inkludera patent

inkludera citat

Publicering: IEEE

Tips. Sök endast efter svenska resultat. Du kan ställa in sökspråk i Inställningar för Scholar

General model for representing variable speed **wind** turbines in **power system** dynamics simulations

JG Slootweg, SWH De Haan... - **Power Systems**, IEEE ..., 2003 - ieeexplore.ieee.org

... B. **Integration** of the **Wind Turbine** Model in PSS/E The **wind** turbine model described before has been **integrated** into the **power system** dynamics simulation software package PSS/E from PTI using the ... REFERENCES [1] S. Heier. **Grid Integration of Wind Energy Conversion** ...

Citerat av 606 Relaterade artiklar Alla 7 versionerna Web of Science: 211 Citera Spara

[PDF] från researchgate.net

Full-Text@Chalmers

Wind integration in power systems: Operational challenges and possible solutions

L Xie, PMS Carvalho, LAFM Ferreira, J Liu... - ... of the IEEE, 2011 - ieeexplore.ieee.org

ABSTRACT This paper surveys major technical challenges for **power system** operations in support of large-scale **wind** energy **integration**. The fundamental difficulties of **Integrating** **wind power** arise from its high inter-temporal variation and limited predictability. The ...

Citerat av 101 Relaterade artiklar Alla 5 versionerna Web of Science: 37 Citera Spara

[PDF] från tamu.edu

Full-Text@Chalmers

Power-electronic systems for the grid **integration** of renewable energy sources: A survey

JM Carrasco, LG Franquelo... - ... Electronics, IEEE ..., 2006 - ieeexplore.ieee.org

... turn-off thyristors (GTOs) for high-**power** applications [6]. Recently, the **integrated** gated control ...

CARRASCO et al.: **SYSTEMS FOR THE GRID INTEGRATION** OF RENEWABLE ENERGY SOURCES ... 9. Variable-speed **wind** turbine with a hydrogen storage **system** and a fuel-cell ...

Citerat av 1509 Relaterade artiklar Alla 13 versionerna Citera Spara

[PDF] från colorado.edu

Full-Text@Chalmers

Wind plant **integration** [wind power plants]

EA DeMeo, W Grant, MR Milligan... - Power and Energy ..., 2005 - ieeexplore.ieee.org

... In fact, individual turbines in a **wind** plant experience different **winds** at any given moment ... As shown by the **North** **Integration** study, systems with appreciable natural gas generation ... Third, the impacts of **wind's** variability on **system** operating costs are strongly related to ...

Citerat av 166 Relaterade artiklar Alla 4 versionerna Citera Spara

[PDF] från 213.176.96.142

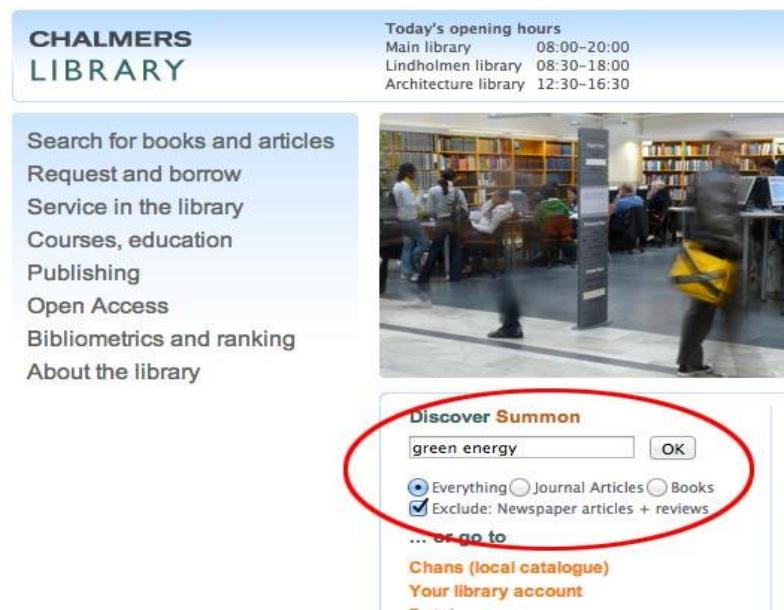
Full-Text@Chalmers

Utility **wind** **integration** and operating impact state of the art

[PDF] från nrel.gov

Finding peer-reviewed sources

<http://lib.chalmers.se>



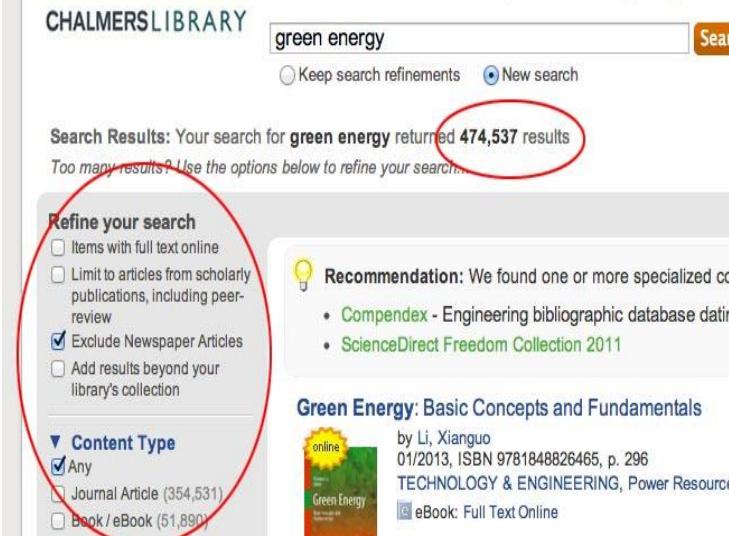
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 Book/eBook (51,890)

Recommendation: We found one or more specialized collections:
• Compendex - Engineering bibliographic database
• ScienceDirect Freedom Collection 2011

Green Energy: Basic Concepts and Fundamentals
by Li, Xiangyu
01/2013, ISBN 9781848826465, p. 296
TECHNOLOGY & ENGINEERING, Power Resources
eBook: Full Text Online

The 'general' search, even with newspaper articles excluded, still gives nearly half-a-million 'hits'. But if I start to tailor the search further, for example by checking to require 'Items with full text online' (so I can read the entire article) and 'Limit to articles from scholarly publications, including peer-review', then...

Is it peer-reviewed?

If you are uncertain as to whether a journal is peer-reviewed, you can check this resource, which most academic libraries provide access to online:

Ulrich's Web Global Serials Directory

Access via Chalmers Library at:

<https://ulrichsweb-serialssolutions-com.proxy.lib.chalmers.se/>

Is the following an acceptable source?

eSecurity Planet eSecurityPlanet.com [AutoCAD® Trial Download](#) [Autodesk.com/AutoCAD](#)

Patches Security News Security Features Security Trends Blogs Forums Products

Independent testing shows ProSecure® protects against network threats better than Fortinet®, SonicWALL® and WatchGuard®.

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NETGEAR  ROLLOVER TO VIEW STATS

April 15, 2010 Hot topics : [desktop security](#) [network security](#) [Trojans](#) [malware](#) [wpa se](#)

[eSecurityPlanet.com](#) [Security News](#) [All Security News»](#)

Free Newsletters : [Security Daily](#)

Adobe Warns of New PDF Attack Threat

April 8, 2010 By Sean Michael Kerner [Submit Feedback »](#) [More by Author »](#)

Adobe is warning users of its Adobe Acrobat and Reader PDF applications about a new attack that could potentially expose users to risk.

The attack leverages Adobe (NASDAQ:ADBE) Acrobat and Reader's ability to launch other content and applications.

Strictly speaking, the new attack vector isn't a flaw in Adobe's software but rather relies on social engineering to trick users into clicking on something they shouldn't, which could lead to arbitrary code execution. The company credits security researcher Didier Stevens for demonstrating the attack, which the U.S. Department of Homeland Security's U.S. Computer Emergency Readiness Team (US-CERT) also noted in an alert.

"When users open a PDF that contains a launch action, they are presented with a dialog box warning the user that a file and its viewer application are set to be launched by the PDF file," US-CERT [stated in its warning](#). "An attacker may be able to manipulate the content in the file name section of the dialog box in an attempt to convince users to open the file."

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BlackBerry.

TAKE CONTROL OF YOUR SECURITY & COMPLIANCE SOLUTION CENTER

Five Keys to a Successful Identity and Access Management Implementation

Whitepaper: IAM projects require a thorough understanding of the organization's current business strategy and security posture along with a clear vision of the desired security state and the steps required to get there. Too often, organizations attempt to reach that end state by implementing too much new

Investigate the author

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LindaBradli



Webb [Visa alternativ...](#) Resultat 1 - 10 av ungefär 166,000 vid sökning efter **sean michel kerner**. (0.19 sekunder)

Sean Michael Kerner - [Översätt den här sidan]
Sean Michael Kerner writes about Linux (distros the kernel and the community), Open Source (licenses, applications, management and legal), Security (tools, ...
blog.internetnews.com/skerner/bio.html - [Cachad](#) - [Liknande](#)

Sean Michael Kerner - [Översätt den här sidan]
InternetNews provides real-time news updated throughout the business day, covering IT issues and Internet-related technologies for corporate managers and ...
blog.internetnews.com/skerner/ - [Cachad](#) - [Liknande](#)

[Visa fler resultat från blog.internetnews.com](#)

Linux Online - News by Sean Michael Kerner - [Översätt den här sidan]
Kernel Make no mistake about, the Linux 2.6.x kernel is a *large* undertaking that just keeps getting bigger and bigger. Apparently it's also getting harder ...
www.linux.org/news/reporter/00139.html - [Liknande](#)

Open Source NoSQL Databases Ramp Up — DatabaseJournal.com - [Översätt den här sidan]
10 Mar 2010 ... By **Sean Michael Kerner**. For most of the Web era, Relational Database ...
Sean Michael Kerner is a senior editor at InternetNews.com, ...
www.databasejournal.com.../Open-Source-NoSQL-Databases-Ramp-Up.htm - [Cachad](#)

Sean Michael Kerner - [Översätt den här sidan]
Results tagged "Nmap" from **Sean Michael Kerner** ... By **Sean Michael Kerner** on July 17, 2009 10:58 AM. nmap_small1.gif From the What's running on your ...
https://swarm.jupitermedia.com/mkt-search.cgi?blog_id=21... - [Cachad](#)

ClickZ: Sean Michael Kerner - [Översätt den här sidan]
A new quarterly report takes the pulse of search marketing Aug 9, 2005. More articles by **Sean Michael Kerner** ... Subscribe to Newsletters ...
www.clickz.com/3622851 - [Cachad](#)



Netstat -vat by Sean Michael Kerner (bio)

A command line view of IT



Sean Michael Kerner writes about Linux (distros the kernel and the community), Open Source (licenses, applications, management and legal), Security (tools, attack vectors, vendors and exploits) Application Development (tools, vendors, dynamic languages and code) as well as Networking (core equipment, carrier, enterprise, Ethernet, IPv6 and access control).

Kerner takes a deep technical view on everything he writes and has years of hands-on experience with many of the core technologies he writes about. When not writing, Kerner can be found experimenting with the latest Open Source technologies, looking for software and security defects and fixing network configuration issues. He has also been known to spend inordinate amounts of time looking at satellite images of Roswell, New Mexico and is a student of the Klingon language. Kerner has been contributing to InternetNews.com since 2003.

[View all of Sean Michael Kerner's posts](#)

Evaluating a Source

- The Kerner-example, using Kerner as reference:
 - Con: not affiliated to any specific company or university, the credibility is decreased
 - Pro: a great number of published articles found on several known sites, increasing the credibility
- ❖ References are a way of supporting your claim. The validity of those references directly affect the validity of your claim.

In text and End List USING SOURCES

(18)

Using your sources in text

Paraphrasing, Quoting, Plagiarizing

- **Paraphrasing**: incorporating other people's ideas **using your own words and with references**.
- **Quoting**: an exact copy of an original phrase within quotation marks. Full reference given.
- **Plagiarizing**: using ideas, results, words without giving proper reference to the original.

Essentials of English p.344-352

See Chalmers policies on academic integrity and honesty:

<https://student.portal.chalmers.se/en/chalmersstudies/joint-rules-and-directives/Pages/Academicintegrityandhonesty.aspx>

How to Paraphrase

- Read and try to understand the main ideas of the text
- Express the ideas in your own words
- Change the organization of the ideas
- Signalling that you are paraphrasing:
 - "According to [X]..."
 - "[X] claims that/stated that/argued that..."
 - "It was demonstrated by [X] that..."
- Reporting verbs
<http://www.gcu.ac.uk/student/coursework/writing/reporting.html>

Referencing RULES

There are many rules for referencing. Not possible to memorize them all, just know how to look them up.

For the assignments on this course and Göran's, use the **IEEE system**. Options:

- manually: link on PingPong to one guide
 - use the function in Word or
 - use a software, e.g. EndNote
- IEEE author's guide
http://www.ieee.org/documents/info_authors_kit.pdf
(page 4 referencing)
 - ❖ IEEE system arranged in citation order, not alphabetical order!

Referencing online sources

- Careful with **electronic sources**: check guide for details to be included, i.e. not just a weblink!
- **Journals**, regardless of whether exclusively online or exclusively in print (or both) still need the important journal information: author, year, title of article, journal name, volume/issue, page range.
- If it is exclusively an online journal you also need the URL
- Erring on the side of **too much information is better** than missing out on important information.

Logic Control Introduction Assignment

3-MIN PRESENTATION

(23)

Presenting in this course

- Study wk 4 logic control introduction assignment presentation (individual), 3 min, no visual aids
- Study wk 8 presentation of LET085 projects (group), 10 min, visual aids to be used
- When planning a presentation (however long it will be), **always** think about the following:
 - **Content, structure, delivery and language**
 - Useful information and phrases in Schedule and Course information handout

Why a presentation as well?

- to summarise and clarify a discipline topic
 - in a spoken format
 - in English
 - to practice presenting in English ahead of longer, more formal presentation at end of course
 - to practise selecting appropriate information for the spoken arena
 - adapt for a different register – how you write and how you speak is different!
 - structured for a listener to learn something
- ❖ not just a chat!

Learning outcomes:

- *extract, summarize and organize relevant information*
- *practice adapting written text to a talk providing an overview*
- *practice giving a presentation in English in a well-structured way*

Requirements

Prepare and give a presentation where you will share your findings from your sources in a small group.

- you shouldn't read your findings but make a speech with keywords
 - summarise the contents
 - motivate why you picked out these sources
 - where do your sources come from, what's their context?
- 3-minute-presentation, no ppt necessary
- ❖ Try to structure it logically – think about your listener and what's the easiest way for them to absorb the info

GRAMMAR QUIZ - RESULTS

(27)

Grammar Quiz and Practice

$\leq 59\% = \text{U}$

$\geq 75\% = \text{4}$

$\geq 60\% = \text{3}$

$\geq 90\% = \text{5}$

- With **60% or more**, you will have passed and completed the grammar requirements for the written exam, i.e. no exam 30th May

However:

- below 60%**, OR if you wish to improve on the level you achieved, take the exam 30th May
 - some grammar focus in class during course
 - the EngOnline web-based grammar tool for individual language training space

Next:

- 3-min presentation in class next week, 26th April
- LC-Intro assignment due in 29th April

Next session lecture focus: writing a report in English, of the LET085 project report