Reading

- Find out research directions/topics/ideas
- Do literature survey

Identifying your research question

- Making informed decisions about what to study, and defining your research question, even within a predetermined field,
  - is critical to a successful research career, and
  - can be one of the hardest challenges for a scientist.

Identifying your research question

- Being knowledgeable about the state of your field and up-to-date with recent developments can help you:
  - Make decisions about **what to study** within niche research areas
  - Identify **top researchers** in your field whose work you can follow and potentially collaborate with
  - Find **important journals** to read regularly and publish in
  - Explain to others **why your work is important** by being able to recount the bigger picture

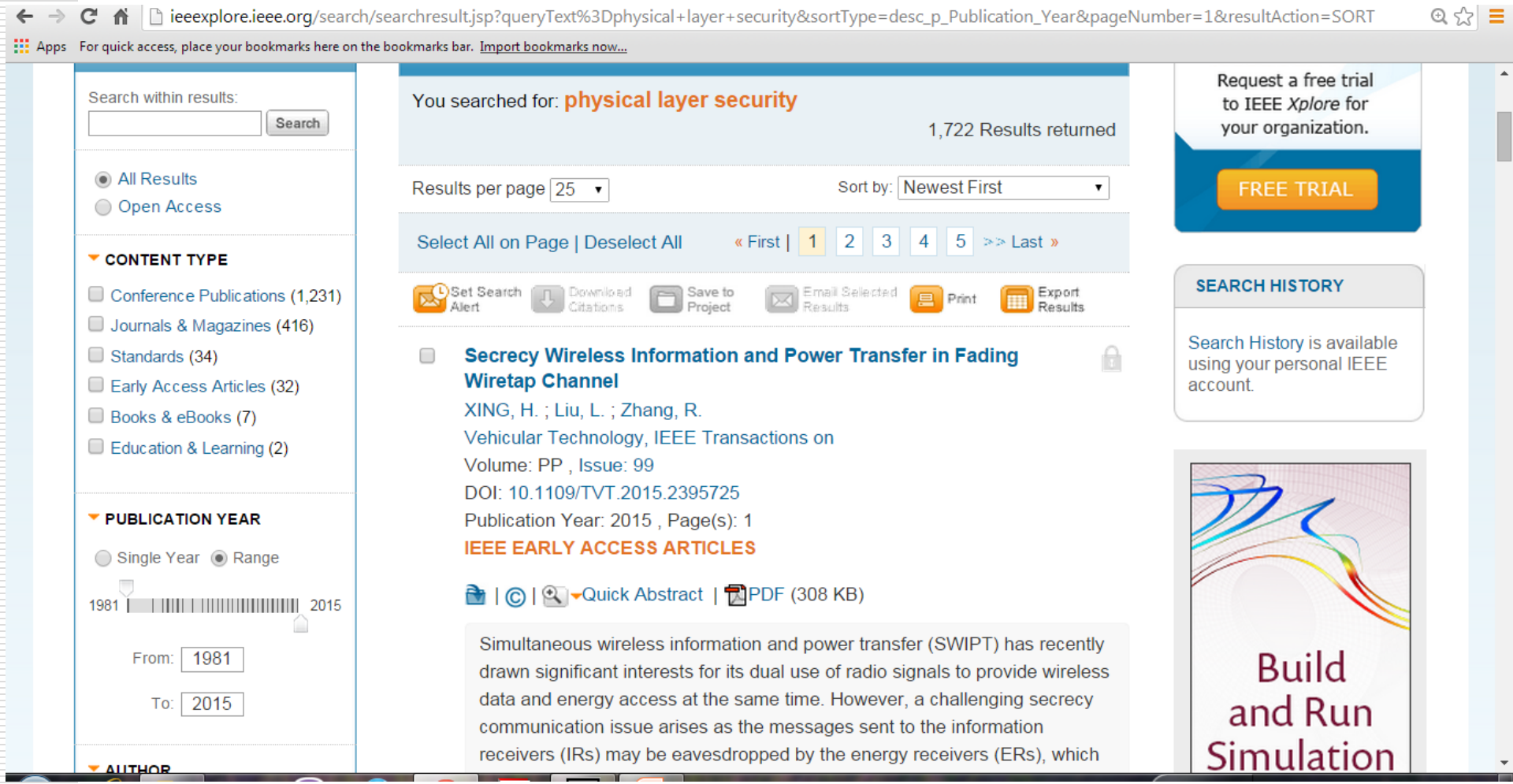
How can you identify a research question?

- Reading regularly is the most common way of identifying a good research question. This enables you to keep up to date with recent advancements and identify certain issues or unsolved problems that keep appearing.
  - Begin by searching for and reading literature in your field.
  - Start with **general interest** journals, but don't limit yourself to journal publications only; you can also look for clues in the news or on research blogs.
  - Once you have identified a few interesting topics, you should be reading the table of contents of journals and the abstracts of most articles in that subject area. Papers that are directly related to your research you should read in their entirety.

Reading

- Search based on keywords
- Various references with given keywords
- http://ieeexplore.ieee.org/search/searchresult.jsp?queryText%3Dphysical+layer+security&sortType=desc_p_Publication_Year&pageNumber=1&resultAction=SORT

Reading


ieeexplore.ieee.org/search/searchresult.jsp?queryText%3Dphysical+layer+security&sortType=desc_p_Publication_Year&pageNumber=1&resultAction=SORT
Apps For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...
Search within results:
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All Results
Open Access
CONTENT TYPE
Conference Publications (1,231)
Journals & Magazines (416)
Standards (34)
Early Access Articles (32)
Books & eBooks (7)
Education & Learning (2)
PUBLICATION YEAR
Single Year
Range
1981
2015
From: 1981
To: 2015
AUTHOR
You searched for: physical layer security
1,722 Results returned
Results per page 25
Sort by: Newest First
Select All on Page | Deselect All
« First | 1 2 3 4 5 >> Last »
Set Search Alert
Download Citations
Save to Project
Email Selected Results
Print
Export Results
Secrecy Wireless Information and Power Transfer in Fading Wiretap Channel
XING, H. ; Liu, L. ; Zhang, R.
Vehicular Technology, IEEE Transactions on
Volume: PP , Issue: 99
DOI: 10.1109/TVT.2015.2395725
Publication Year: 2015 , Page(s): 1
IEEE EARLY ACCESS ARTICLES
Quick Abstract
PDF (308 KB)
Simultaneous wireless information and power transfer (SWIPT) has recently drawn significant interests for its dual use of radio signals to provide wireless data and energy access at the same time. However, a challenging secrecy communication issue arises as the messages sent to the information receivers (IRs) may be eavesdropped by the energy receivers (ERs), which
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SEARCH HISTORY
Search History is available using your personal IEEE account.
Build and Run Simulation

Assignment 1

- Open a journal website interesting you
- Check if similar filtering criteria exist.

Reading

- 115_Secure Communications with Untrusted.pdf
- Filter out irrelevant references: read quickly the abstract to see whether the topic matches your interest
- No. Move to next reference
- Yes.
  - Download a full reference
  - Carefully read
  - Highlight

Reading

- Yes.
  - Take notes or Summarize: Sum.docx, ClassificationTopics.docx
    - ..\..\..\..\..\..\Research\AllPublications\Journal\ISI_Journals\2015_WirelessPersonalCommunications\14_UploadWPCimpact.pdf
    - ..\..\..\..\..\..\Research\ResearchPlan\Draft\RelaySelection\imperfectCSI\AcceptedJCN_ReactiveRSwithPU\NICS15_ChuyenSan\LatexVN\chuyensan_full.pdf

Reading

- Yes.
  - Try to memorize the reference's contributions:
    - To learn techniques
    - To cite
    - To compare for finding out drawbacks
    - To improve/overcome drawbacks and devise new ideas
  - Find out new research directions/topics
  - Very important when writing INTRODUCTION and RESULTS

Reading order

Read

- Conference papers: updated research results (short)
- Special issues: *new areas and hot topics*
- Review papers
- Tutorials & surveys: 4_Vectored_DSL.pdf208_A_Survey_of_Security_Issues_in_Cognitive_Radio.pdf 07041186.pdf234_Physical_Layer_Security_for_Next_Generation_Wireless_Networks_Theories_Technologies_and_Challenges.pdf
- Magazines: Magazines.pdf Securing_Physical-Layer.pdf OverviewResearch.pdf
- Journal papers: relatively outdated
- Books: outdated