

# FINDING RESOURCES

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Three stylized, rounded orange shapes resembling clouds or hills are positioned horizontally across the upper portion of the slide. The central one is slightly higher than the two flanking it.

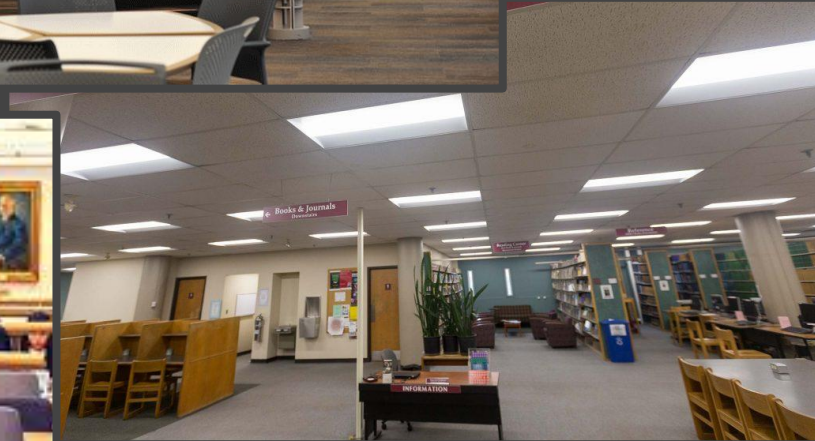
# Part 1: BU Libraries



# How much do you know about BU libraries?

## POP QUIZ:

How many libraries do you know?



All photo credits to Boston University

- **Libraries Hours:**

- <http://www.bu.edu/library/about/hours/>
- **Unfortunately, due to the Covid-19, all closed**

- **BUT,**

- **Service available online!**



# BU Libraries: Computer Science Research Guide

<http://library.bu.edu/c.php?g=528928&p=3617399>

## Special to Computer Science:

☐ conference proceedings  
instead of journals.

The screenshot shows the Boston University Libraries website for the Computer Science Research Guide. The page features a search bar at the top right with the text "Enter keywords..." and a "Search In" dropdown menu. Below the search bar is a navigation breadcrumb: "Boston University Libraries / Research / Guides / Computer Science / Home". The main heading is "Computer Science".

On the left side, there is a vertical menu with the following items:

- Home
- Find Articles & Journals
- Find Books
- Find Code and Data
- News and Commentary
- Citing Your Sources
- Computer Science at BU

Below the menu is a "Get Help" section with the heading "Need more help? Ask Us!". It contains three options:

- Email:** Get answers within 24 hours
- Visit:** Come to any of our locations
- Meet:** Make an appointment with a librarian
- Text:** Send your questions to 617-431-2427

The main content area is titled "About This Guide" and contains the following text:

**Welcome to the Computer Science Research Guide.** Use the navigation menu on the left to find scholarly resources and news about computing. If you have any questions about this guide or computing-related research, please email me at [jkotula@bu.edu](mailto:jkotula@bu.edu).

Below the text is a large image of binary code (0s and 1s) on a dark background with a green glow.

On the right side, there is a "Librarian" section featuring a photo of JD Kotula. Below the photo is an "Email Me" button. The contact information is as follows:

**Contact:**  
38 Cummington Mall  
Boston, MA 02215  
617.358.6900

**Subjects:**  
Chemistry, Computer Science, Earth & Environmental Sciences, Science (General)

At the bottom right, there is a "Related Guides" section with a blue header and a white body.

# BU Libraries: Computer Science Research Guide

<http://library.bu.edu/c.php?g=528928&p=3617400>

## ❑ Core Databases

- ❑ Inspec
- ❑ ACM Digital Library
- ❑ CiteSeerX
- ❑ IEEE Xplore
- ❑ MathSciNet (American Mathematical Society)






## ❑ General Science/Engineering Databases

- ❑ Engineering Village
- ❑ arXiv.org
- ❑ Web of Science
- ❑ General Science Full Text
- ❑ Google Scholar






# BU Libraries: Computer Science Research Guide

<http://library.bu.edu/c.php?g=528928&p=3617401>

## eBooks

-  Computing
-  Software Development
-  Data Mining
  
-  ebrary
-  ScienceDirect
-  Wiley Online Library

## Books Not Available??

-  WorldCat Discovery
-  Interlibrary Loan
-  BLC Cards.
  
-  Ask JD Kotula!
-  Suggest purchase!





# BU Libraries: Computer Science Research Guide

<http://library.bu.edu/c.php?g=528928&p=3617399>

## Open Source Code and Software

-  GitHub
-  BitBucket
-  SourceForge
-  Google Open Source Projects
-  Android Open Source Project
-  The Linux Kernel Archives
-  Mozilla Developer Network

## Data Sets (also deposit)

-  OpenBU
-  Center for Applied  
Internet Data Analysis
-  Stanford Large Network  
Dataset Collection
-  Konect



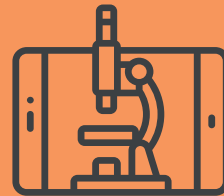
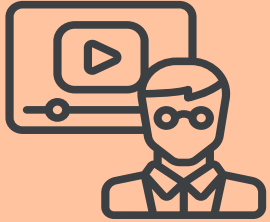
## BU Libraries: Other Service

- ❑ **Reserve Course Materials (e.g. Textbooks)**
  - ❑ <http://www.bu.edu/library/services/reserves/>
- ❑ **Guide for Writers of Theses & Dissertations**
  - ❑ <http://library.bu.edu/theses>
- ❑ **Digital Scholarship Service**
  - ❑ <http://www.bu.edu/disc/>



**Part 2:**

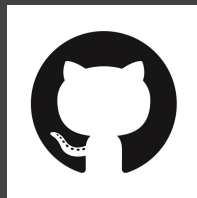
# **Online Resources**



# LOADS OF SOURCES



**Wikipedia**



**GitHub**



**... blog posts, Quora, lecture notes, Coursera, etc.**

# ONLINE LIBRARIES



**JSTOR**



**WorldCat**



**Project Gutenberg**



**Open Library**



**LibreTexts**

# GOOGLE SCHOLAR

## Google Scholar



Articles  Case law

### Articles about COVID-19

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[CDC](#)

[NEJM](#)

[JAMA](#)

[Lancet](#)

[Cell](#)

[BMJ](#)

[Nature](#)

[Science](#)

[Elsevier](#)

[Oxford](#)

[Wiley](#)

[medRxiv](#)

**Stand on the shoulders of giants**

# ARXIV

WAIT, ALL THE PAPERS IN YOUR FIELD ARE POSTED AS FREE PDFs ON ARXIV? THAT MUST BE KILLING BIG SCIENTIFIC JOURNALS, SINCE THEY CHARGE SUCH HUGE SUBSCRIPTION/PUBLICATION FEES.



NAH, WE'VE BEEN DOING IT SINCE THE 90s AND NOBODY SEEMS TO CARE.



THAT MAKES NO SENSE AT ALL!!

SHHH, YOU'LL JINX IT!



# ONLINE VIDEO LECTURES

- Great comprehensive content
- No geographic boundaries
- Some people learn faster
- Play and pause as many times as you like

And most importantly, if there's a world-wide pandemic, they are our only hope!



# SO, LOADS OF SOURCES



**Wikipedia**



**GitHub**



... blog posts, Quora, lecture notes, Coursera, etc.



# BUT CREDIBILITY?

Examples from <https://www.youtube.com/watch?v=VXHQ2y8FIUQ>

Who's the author? What do they do? Are they an expert?



**How's your stockpile?**

A blog by Britt and Shinola

Have you given any thought as to who would feed you in the event of a zombie apocalypse? What if your human were killed or incapacitated? Or worse, if your human turned into a zombie and lacked the dexterity to open cans of cat food. Have you got a go bag with food and supplies in case you have to live on the run? Here's advice for



CDC Centers for Disease Control and Prevention  
CDC 24/7: Saving Lives. Protecting People™

Public Health Matters Blog

Home About Categories PHPR: Health Security in Action

Preparedness 101: Zombie Apocalypse  
Posted on May 16, 2011 by Ali S. Khan

Walking Dead fans, check out our latest post: <http://go.usa.gov/QdJ>

is right. I said z-o-m-b-i-e-a-p-o-c-a-l-y-p- for two about how to prepare for a real

Ali S. Khan

Biography

Rear Admiral Ali S. Khan, MD, MPH, is an Assistant Surgeon General and began leading the Centers for Disease Control and Prevention's (CDC) Office of Public Health Preparedness and Response (OPHPR) in August 2010. Most recently, he was the Deputy Director of the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) at CDC. Dr. Khan joined CDC and the U.S. Public Health Service Commissioned Corps in 1991 as an Epidemic Intelligence Service (EIS) Officer. Over the past decade, he has responded to and led numerous high profile domestic and international public health emergencies including [hantavirus pulmonary syndrome](#), [Ebola hemorrhagic fever](#), [monkeypox](#), [avian influenza](#), [Rift Valley fever](#), [severe acute respiratory syndrome \(SARS\)](#), the [Asian Tsunami](#), and the initial public health response to Hurricane Katrina in New Orleans.

Dr. Khan's professional career has focused on bioterrorism, global health, and emerging infectious diseases. He served as one of the main architects of CDC's public health bioterrorism preparedness program which upgraded local, state, and national public health systems to detect and rapidly respond to bioterrorism. He designed CDC's joint global field epidemiology and laboratory training program. Dr. Khan was an integral part of the design and



# WHAT ELSE?

How recent is it?

Contact Information?

## Contact CDC

Centers for Disease Control and Prevention  
1600 Clifton Road  
Atlanta, GA 30329-4027 USA  
800-CDC-INFO (800-232-4636)

[Contact CDC-INEQ](#)

The screenshot shows the CDC website's 'Public Health Matters Blog'. The header includes the CDC logo and the tagline 'CDC 24/7: Saving Lives. Protecting People™'. A search bar and a 'CDC A-Z INDEX' dropdown are visible. The main content area features a post titled 'Preparedness 101: Zombie Apocalypse' by Ali S. Khan, dated May 16, 2011. The post includes a thumbnail image of a person's hands typing on a keyboard. Below the image is a link to a 'Walking Dead' fan post and a paragraph of text. Social media sharing icons for Facebook, Twitter, and a plus sign are located below the text. A search bar is also present on the left side of the page.

## Preparedness 101: Zombie Apocalypse

Posted on May 16, 2011 by Ali S. Khan



# WHAT ABOUT ACADEMIC PUBLICATIONS?

Again, who are the authors?

## The Random Walking Dead: Effects of urban street network topology on rates of infection spreading in zombie epidemics \*

Ashley Ball<sup>†</sup>   Deepa Rao<sup>‡</sup>   Robert Haussman<sup>§</sup>  
Sean P. Robinson<sup>¶</sup>

June 21, 2013

We examine the effects of the complex structure of urban surface road transportation networks on the rate of infection spread through the human population in a hypothetical outbreak of an apocalyptic zombie epidemic. Various cities and urban spaces have diverse layouts and networks patterns (i.e. a grid layout versus a naturally evolved street network). We explore how network topology—the dynamics of a network—influences the spread of a zombie epidemic throughout an urban system. We find that a normal city street network fares about as well as a simple 2d grid, but inhibits infection-propagation as compared to random and scale-free networks.

\*Report to the NECSI Summer School on Complex Systems Modeling and Networks, June 17–21, 2013

<sup>†</sup>Vanderbilt University and Johns Hopkins University

<sup>‡</sup>Georgetown University

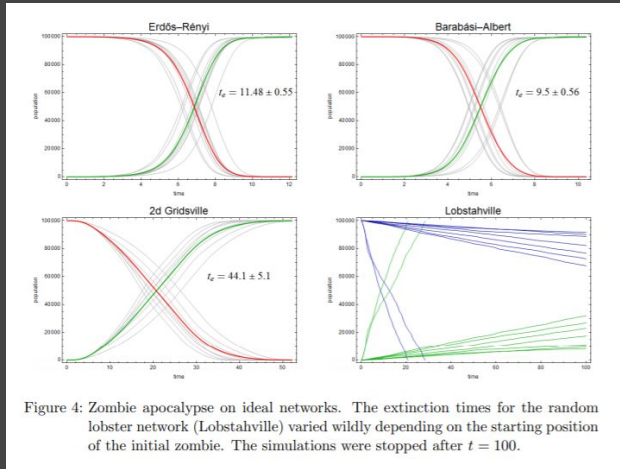
<sup>§</sup>Carnegie Mellon University

<sup>¶</sup>MIT Dept. of Physics

Affiliations 😊

But, no credentials/contacts ☹️

# WHAT ABOUT ACADEMIC PUBLICATIONS?



Research Data!

References!

Also important – Where was it published, if at all? Peer-reviewed?

## References

- [1] PyCX, <http://pycx.sourceforge.net/>.
- [2] Meadows, 1974 “Dynamics of growth in a finite world”
- [3] Centers for Disease Control and Prevention. (2012). “Zombie Preparedness.” <http://www.cdc.gov/phpr/zombies.htm>
- [4] Romero, et al. 1968 “Night of the living dead” IMDB
- [5] Pontoppidan et al. 2009 “Graveyards on the move: the spatio-temporal distribution of dead ophiocordyceps-infected ants.”
- [6] Easley, D. and Kleinberg, J. (2010). “Epidemics.” *Networks, Crowds, and Markets: Reasoning about a Highly Connected World*. Cambridge University Press.
- [7] May, J. (2010). Zombie geographies and the undead city. *Social & Cultural Geography*, 11(3), 285-298.
- [8] Drezner, D.W. (2011). “Theories of International Politics and Zombies.” Princeton University Press. [http://books.google.com/books?id=5\\_U0lhZVnlsC](http://books.google.com/books?id=5_U0lhZVnlsC)
- [9] Munz, Philip, et al. “When zombies attack!: mathematical modelling of an outbreak of zombie infection.” *Infectious Disease Modelling Research Progress* 4 (2009): 133-150.

The background features a stylized landscape with orange hills and foliage. The text is centered over this background.

# **Part 3:**

# **Greater Research Community**

# ● **Conferences**

- **Main conference**
- **Tutorials**
- **Workshops**
- **Demos**
- **Doctoral Consortium**

# ● **How can we benefit most from conferences?**

- **Get feedback of your latest work**
- **Get to know other people in your field**
- **Hear about the latest research**
- **Improve your presentation and communication skills**
- **Visit a new place and have fun**
  
- **Your experience and idea?**

- **Building network in the research community**
  - **Send your poster or slides around as an email**
  - **Propose a collaboration**
  - **Ask questions after talks**
  - **Network with people of all levels of seniority**
  - **Follow up**



- **Seminars**

- **Seminars at BU**

- **AIR Seminars, POPV Seminars, ...**

- **Why is it important?**

- **a great place to test out some new ideas**

- **Internship**

- **Reasons to do an internship during your PhD programme**
- **What is the best time to do an internship?**



# THANKS!

Other questions?